COMPUTING RESEARCH NEWS

Computing Research Association
Uniting Industry, Academia, and Government to
Advance Computing Research and Change the World.

OCTOBER 2022 Vol. 34 / No. 9

CRN At-A-Glance

CRA Update: Keeping you in the know

In the first installment of the CRA Update: Keeping you in the know column, we began synthesizing feedback received during the opening plenary ("CRA: Looking Forward") of the 2022 CRA Conference at Snowbird. We finish summarizing the feedback received in this month's column.

see page 2 for full article

CRA Workshop on "Accessible Technology for All"

The purpose of this workshop is to convene academic, industry, and government representatives to vision ways to make all technology accessible and why that is important and necessary for society as a whole.

see page 5 for full article

Virtual Roundtable on Computing Research in Industry

This event is scheduled for Wednesday, November 9th from 3:00-4:30 PM ET. Please register to attend here.

see page 5 for full article

2023 CRA-E Undergraduate Research Faculty Mentoring Award

Nominations are due Friday, November 25, 2022, by 5 PM (ET).

see page 9 for full article

In This Issue

2 CRA Update: Keeping you in the know
5 CRA Workshop on "Accessible Technology for All"
5 Virtual Roundtable on Computing Research in Industry
6 White House Announces New Blueprint for an AI Bill of Rights
7 Computing Researchers Make the Case for Computing to Congress
8 Nominations Open for 2023 CRA-E Undergraduate Research Faculty Mentoring Award
9 New CRA Board Member Appointed; CRA-Deans Group Elects New Leadership
10 CRA's CV Database: Now open for 2022-23 recruiting season
11 NSF Announces New Awards to Fund the Prediction and Prevention of Pandemics
11 Former CCC Council Member Ian Foster Named 2022 ACM/IEEE-CS Ken Kennedy Award Recipient
12 NSF Releases Open Knowledge Network Roadmap Report
13 Building Resilience to Climate Driven Extreme Events with Computing Innovations: A Convergence Accelerator Workshop
14 CRA-E's Undergraduate Research Highlights: UA Student Takes on Research in Set Visualization
16 Snapshot Results from the CRA-WP Career Mentoring Workshop
18 Expanding the Pipeline: Distributed REsearch Apprenticeships for Master's (DREAM)
20 On Undergraduate Research in Computer Science: Tips for shaping successful undergraduate research projects
22 Board Members, Staff, Column Editor
23 Professional Opportunities

CRA Update: Keeping you in the know

Shar Steed, Tracy Camp, and Betsy Bizot made contributions to this article.

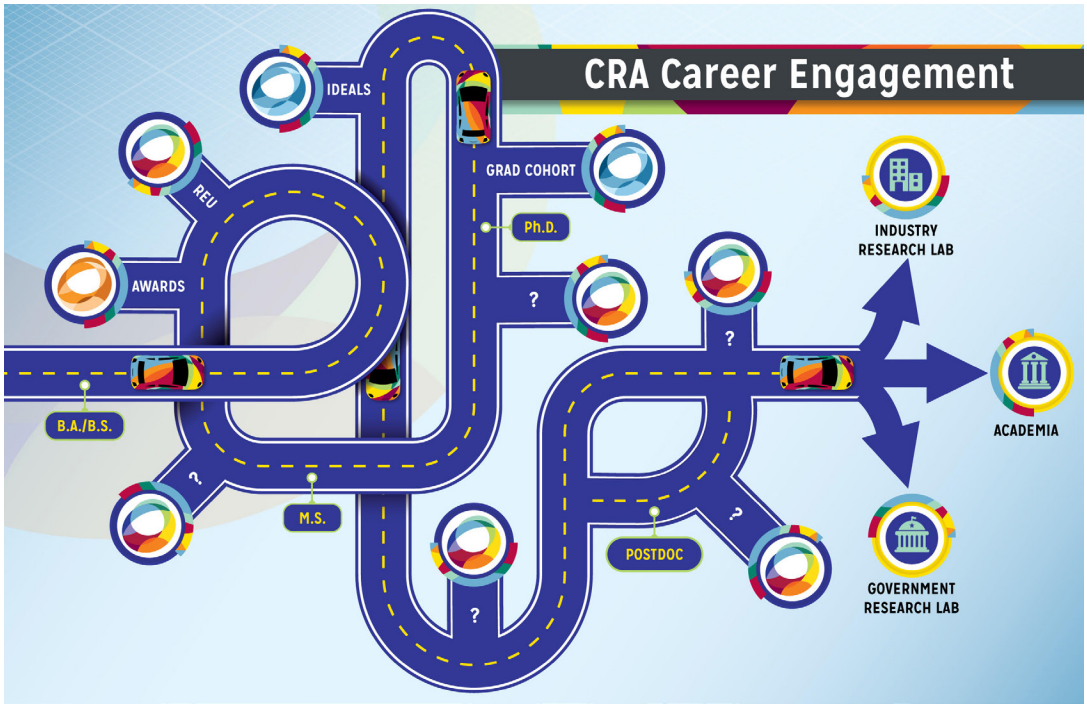
In the first installment of the **CRA Update: Keeping you in the know** column, we began synthesizing feedback received during the opening plenary (**"CRA: Looking Forward"**) of the 2022 CRA Conference at Snowbird. We finish summarizing the feedback received in this month's column.

As a reminder, the feedback opportunities were:

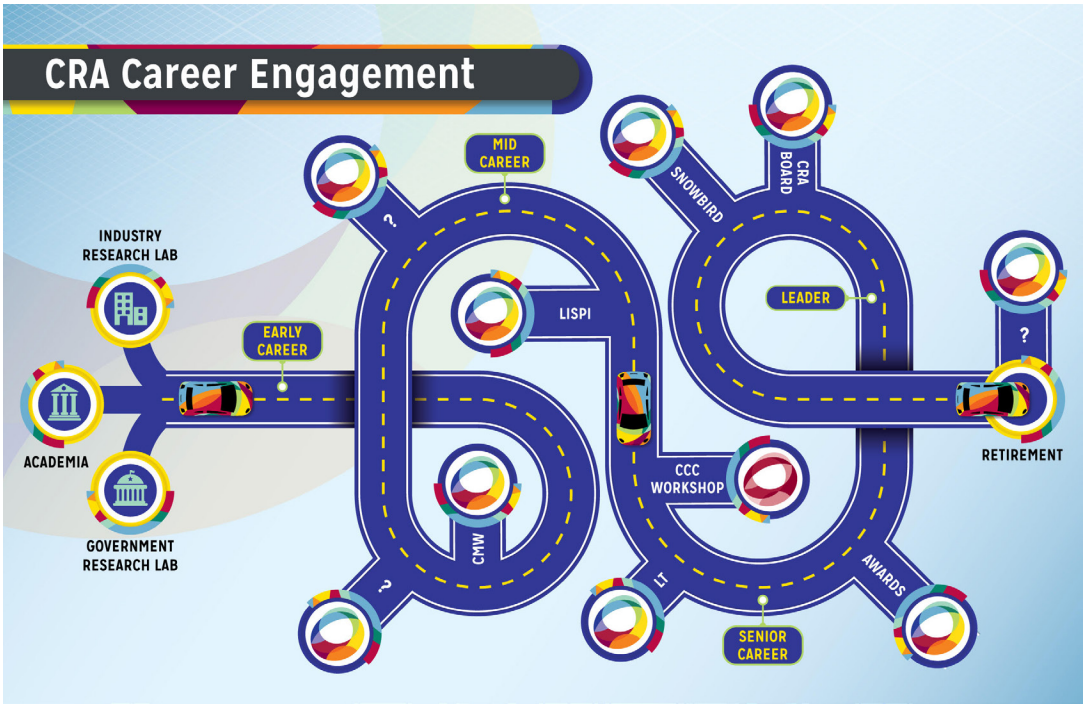
1. CRA's new Executive Director Tracy Camp shared her vision for where CRA is headed for both the long- and-short-term, and then asked attendees: "What can/should CRA do for research community members, when we consider different points of one's career?" The feedback received from this question is summarized below.
2. Former CRA Board Chair Ellen Zegura described the **strategic planning process** and CRA's current structure and governance, and then asked attendees for ideas on how to modify the board/committee structure and selection process in order to make CRA more effective and more representative of the computing community. Feedback received from this question is summarized in the first **CRA Update: Keeping you in the know** column.
3. CRA's flagship conference has been held at Snowbird since its inception. While Snowbird is a gorgeous location, some attendees struggle with altitude sickness. Thus, a final opportunity for feedback concerned whether the CRA Conference should be held in different locations moving forward. Feedback received from this question is also summarized in the first **CRA Update: Keeping you in the know** column.

"What can/should CRA do for research community members, when we consider different points of one's career?"

During the opening plenary **"CRA: Looking Forward"**, CRA Executive Director Tracy Camp summarized several ways that computing research community members can currently engage with CRA via two diagrams (below). The diagrams show the different career



CRA Engagement Opportunities: Student to Postdoc



CRA Engagement Opportunities: Professional Career

points (from student to postdoc and then through one's professional career) where a computing researcher can "stop" and engage with CRA. While the diagrams do not illustrate all of CRA's programs/activities, they do show many of CRA's largest activities. For example, consider a new Assistant Professor (Early Career) who is "driving down their road". Currently they have the opportunity to "stop" at CRA's Career Mentoring Workshop. The question asked CRA Conference attendees, who brainstormed in small groups, was "where else might CRA consider adding a stop"? In other words, what other career engagement activities (see the "?" stops in the diagram) would further support the careers of computing researchers?

There was no shortage of ideas put forward by the CRA Conference attendees! A summary of the nearly 250 responses collected is below. We appreciate the input received and look forward to getting to work on many of them. Stay tuned for details! Lastly, we note that a few of the suggestions received are for activities that CRA already does. We will work to improve our communication of these activities as we move forward.

All stages

- Gather peers, provide networking opportunities, host trainings and workshops
- Train faculty to propose and effectively run undergraduate research experience (REU) programs at scale
- Increase and facilitate academic/industry engagement
  - » Provide resources and training on topics such as: moving between academia and industry careers, academics in industry, industry professionals in academia, and how to foster collaborations between industry and academia
  - » Provide templates/norms for joint positions and industry gift agreements to help companies that are new to supporting computing research
  - » Encourage industry to create research opportunities for undergraduate students
- Engage computing researchers with policy making.
  - » Provide policy and public engagement training: writing op-eds, other public discussion of research issues

- Increase promotion of CRA's current activities for research departments and students
- Continue to promote "computing for good". Make it a fundamental part of education and career development.
- Provide diversity, equity, and inclusion training and more support for underrepresented communities
- Broaden CRA member departments and engage smaller universities in activities
- Continue writing/distributing Best Practice documents for the community

Students

- Encourage domestic students to pursue PhD programs
  - » Increase student awareness of graduate school options and financial support
  - » Show career pathways to inspire early undergraduates
  - » Support "on ramps" to research
  - » Share information on: What is research? How to get involved in an REU?, How to apply to graduate school?
  - » Develop a program that mentors undergraduates minoritized in tech and nontraditional students in creating strong PhD applications in order to help diversity the applicant pool
  - » Engage with high school students
- Help PhD students in career pathway selection
  - » Provide training on how to prepare for and write a strong diversity statement for a faculty application
  - » Offer career options and job search workshops for PhD students
  - » Provide training for faculty that focuses on inclusivity

Early Career

- Provide training for leading research teams
- Increase mentoring opportunities for junior faculty
- Develop training and resources for teaching faculty
- Create resources for junior faculty to help write grant proposals

Mid-Career

- Provide training on how to be a good advisor and effective mentor
- Provide training on how to communicate and work with people from other disciplines, especially those from humanities and social sciences

Host a mid- career workshop focused on topics such as promotion to full professor, pros and cons of administration, growing into leadership roles in the department, and possible other career directions after promotion

Senior Career

- Provide additional training and resources for those in the early years of their department chair role
- Encourage peer mentoring for new chairs
- Create training for new deans (which is needed as more colleges of computing are created)

Retirement

- Provide low-time commitment activities that harness wisdom of retired individuals and keep them active in the field post-retirement
- Provide opportunities for retirees to mentor early/mid career professionals
- Ask retired individuals (especially in industry) to provide training and resources for non-retired computing researchers

CRA Workshop on "Accessible Technology for All"

By Helen Wright, CRA-I Senior Program Associate

The Computing Research Association (CRA) is planning an Accessible Technology for All workshop co-hosted by CRA-Industry (CRA-I), Computing Community Consortium (CCC), and CRA-Widening Participation (CRA-WP) on February 22-23, 2023 in Washington, DC. This workshop is one of the activities CRA is currently pursuing under the umbrella of Socially Responsible Computing, one of the topics identified in the recent CRA Strategic Planning Effort.

The purpose of this workshop is to convene academic, industry, and government representatives to vision ways to make all technology accessible and why that is important and necessary for society as a whole. Technology should simplify everyone's lives, rather than add unforeseen complications. Ensuring socially responsible intentions and practices is critical to realizing the future potential of computing research. This workshop should help establish partnerships and increase communication across all groups to achieve this goal. Presentations and discussions from this workshop will be put together into a report for the community.

If you are interested in learning more about this workshop or other activities, please reach out to industryinfo@cra.org and let us know. This workshop will be in-person only with no hybrid option. Individual invitations will be sent out to community members before the end of the year.

Virtual Roundtable on Computing Research in Industry

By Helen Wright, CRA-I Senior Program Associate

The Computing Research Association-Industry committee is delighted to announce an upcoming virtual roundtable on Computing Research in Industry on Wednesday, November 9th from 3:00-4:30 PM ET. Please register to attend here.

Computation is in the process of transforming all areas of a business, from the way work gets done to the products and services that are created. As a result, companies are increasingly investing in fundamental computer science research in support of their strategic goals.

In this roundtable, CRA-Industry will convene computing research partners across academia, industry, and government to look at what it means to do computing research in an industrial setting. Panelists will describe how research is conducted in their organizations, highlighting how problems are selected, how research is incentivized, and how results have internal and external impact. They will also discuss some of the key differences of doing research in an industrial setting compared with an academic setting, and share ideas for how universities might best prepare their students for a career in industrial research.

Confirmed panelists include Lisa Amini (IBM), Manuela Veloso (JPMC), Mounia Lalmas (Spotify), and Jaime Teevan (Microsoft). Read more about them here.

From left to right: Lisa Amini (IBM), Manuela Veloso (JPMC), Mounia Lalmas (Spotify), and Jaime Teevan (Microsoft)

White House Announces New Blueprint for an AI Bill of Rights

By Brian Mosley, CRA Senior Policy Analyst

The Biden Administration, acting through the Office of Science and Technology Policy (OSTP), recently released a set of principles aimed at creating a "Blueprint for an AI Bill of Rights." The goal of the blueprint is to, "help guide the design, development, and deployment of artificial intelligence (AI) and other automated systems so that they protect the rights of the American public."

From Left to right: Dr. Alondra Nelson, Deputy Assistant to the President and OSTP Deputy Director for Science and Society; U.S. Equal Employment Opportunity Commission Chair Charlotte Burrows; Secretary of Health and Human Services Xavier Becerra; Consumer Financial Protection Bureau Director Rohit Chopra; and Secretary of Education Miguel Cardona.

Within the proposal, OSTP, "identified five principles that should guide the design, use, and deployment of automated systems to protect the American public in the age of artificial intelligence." Those principles, also called "common sense protections," are: Safe and Effective Systems; Algorithmic Discrimination Protections; Data Privacy; Notice and Explanation; and Human Alternatives, Consideration, and Fallback. As Rohit Chopra, Director of the Consumer Financial Protection Bureau, pointed out at the rollout event, "fifteen years ago we thought these systems would take bias out; now we know that bias is baked in."

The white paper includes a technical companion on how to move this plan from "principles to practice," and an application framework. OSTP says these protections should be entitled to everyone in America and that this blueprint, "offers a vision for a society where protections are embedded from the beginning, where marginalized communities have a voice in the development process, and designers work hard to ensure the benefits of technology reach all people."

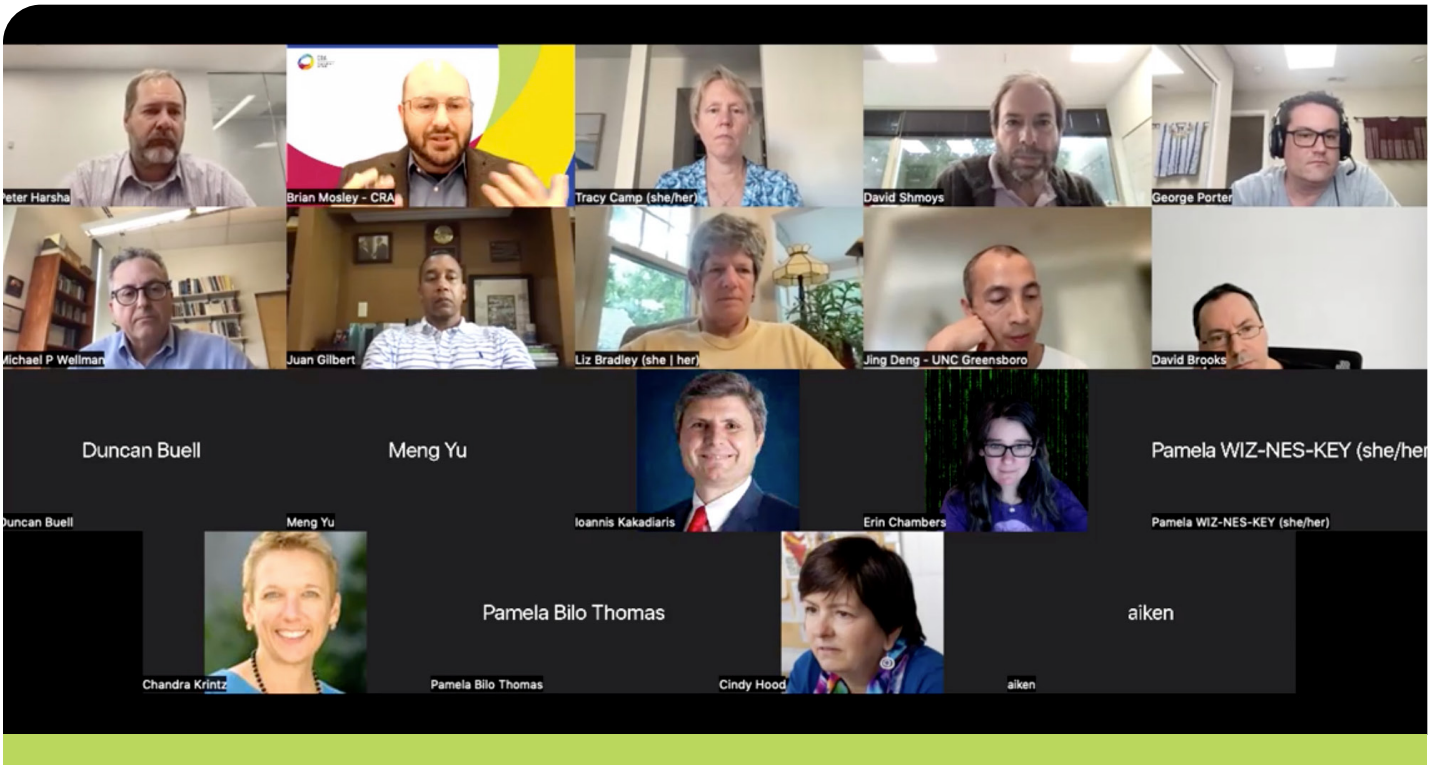
OSTP's proposal contains no enforcement policies on technology companies and doesn't recommend any follow-on legislation. But the white paper does highlight existing federal agencies' commitments to rule making and actions of those agencies to studying the specific impacts of these technologies.

This proposal caps a year-long effort by OSTP to collect feedback and views from the general public, technology companies, and the research community. In fact, CRA's Computing Community Consortium submitted a formal response to OSTP's Request for Information on updating the National Artificial Intelligence Research and Development Strategic Plan.

Given the concerns voiced over data privacy and consumer protections by members of Congress in recent years, the issue of algorithmic bias, and how to mitigate or avert it, will not go away here in official Washington. The computing community is well positioned to take part in these efforts and debates, contributing its technical expertise. In fact, Alondra Nelson, Deputy Director for Science and Society at OSTP, said at the briefing, "all of us have a role to play."

Computing Researchers Make the Case for Computing to Congress

By Brian Mosley, CRA Senior Policy Analyst



On September 13th, 25 computing researchers from across the country took part in a virtual training session to prepare them to make the case to Congress for federally funded computing research. Holding the training virtually is a change from past Congressional Visit Days that CRA Government Affairs staff have run. Due to ongoing restrictions stemming from the COVID-19 Pandemic and post-January 6th security, the Congressional office buildings located in Washington D.C. are not open to the general public. Despite these obstacles, CRA organized a virtual event for computing researchers to meet with their Congressional representatives in web meetings in order to keep making the case for Federal support for computing research.

The volunteers, hailing from such states as Missouri, Tennessee, North Carolina, and California, to name a few, participated in over 50 House and Senate meetings. Their message to Congress was very simple: Federally supported computing research is vital to the nation's future. Using their own research and individual stories as support, and reinforced with additional information from CRA, they made the "Federal case" for computing to Members of Congress and their staff. Those Members of Congress now know more about the interesting and important computing work that occurs in their districts and states, and our participants have a sense of just who represents them in Congress. And they've hopefully started a lasting dialogue on both sides.

If you would like to participate in a future Congressional Visit Day, or would like to visit your representative's office, virtually or in-person, please contact Brian Mosley (bmosley@cra.org) in the CRA Government Affairs Office. CRA can provide expert training, messaging, and materials, and we would also be happy to accompany you to your Congressional meetings.

Nominations Open for 2023 CRA-E Undergraduate Research Faculty Mentoring Award

CRA-E
Computing Research Association
Education

The CRA-E Undergraduate Research Faculty Mentoring Award recognizes individual faculty members who have provided exceptional mentorship, undergraduate research experiences and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing.

Eligible nominees are full-time faculty members at North American academic institutions. Faculty members include tenured and tenure-track faculty, instructors, and professors of the practice. Current members of CRA-E are not eligible to be nominated or to serve as the nominator. A nominee must be nominated by a faculty member or a researcher in the computing field.

Nominations are due **Friday, November 25, 2022, by 5 PM (ET)**. Winners will be notified by early February 2023. Click here to view the 2022 award winners and here to view the FAQs.

The award is given annually, and multiple recipients may be awarded. The selection committee will give appropriate consideration to different types of schools and mentors at different stages of their careers. The awardees will receive travel support to attend the meeting at which they accept the award.

Evaluation criteria

The committee will evaluate the evidence of:

- Undergraduate student mentoring during the most recent 10 years (being sensitive to the size of the program) including the details on the student career paths (e.g., students enrolling in research-oriented M.S. or Ph.D. programs or students pursuing other research-oriented career opportunities)
- Professional development provided to the students mentored
- Diversity of students
- Impact and success of the students' research

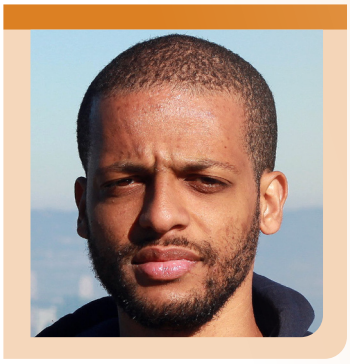
The 2023 selection committee includes:

Denys Poshyvanyk (William & Mary), **Chair**

Monica Anderson (University of Alabama)

Gary Holness (Clark University)

Tijana Milenkovic (University of Notre Dame)



2022 Winners Darko Marinov (left) and Jelani Nelson (right)

Darko Marinov is a Professor in the Department of Computer Science at the University of Illinois at Urbana-Champaign. His main research interests are in software engineering, in particular improving software quality using software testing. Marinov has mentored in research over 60 undergraduate students over the past 20 years at the University of Illinois and MIT.

Jelani Nelson is a Professor in the Department of Electrical Engineering and Computer Sciences at the University of California Berkeley. His main research interests are in Theory. Nelson had advised both formally and informally many undergraduate students. Three of his students became the winners of the CRA Outstanding Undergraduate Research Award.

New CRA Board Member Appointed; CRA-Deans Group Elects New Leadership

CRA would like to welcome two new members to its Board of Directors: Raquel Hill (Spelman College) and Eunice E. Santos (University of Illinois).

New Board Member Appointed

Cindy Bethel has stepped down from the Board to avoid any conflict concerns with her new position as an NSF rotator. The CRA Board has appointed Hill to replace Bethel on the Board for the remainder of Bethel's term (ending June 30, 2023).

We thank Bethel for her service of more than two years on the Board. She has brought great perspective and energy during her term. Bethel will continue to co-lead the Socially Responsible Computing Working Group with Ran Libeskind-Hadas, and we hope she will stand for a CRA Board election again after her term at NSF ends.

CRA Deans Election Results

The CRA Deans Group recently elected new leadership: Eunice E. Santos (University of Illinois) is Chair; Keith Marzullo (University of Maryland) is Vice Chair, and Dennis Livesay (Michigan Technological University) is Secretary. Their terms run until June 30, 2024, and Santos will serve as the Deans Group representative on the CRA Board. CRA thanks Yi Deng (Drexel University) for serving as the Chair and Hesham Ali (University of Nebraska Omaha) for serving as the Secretary during the last term. The CRA-Deans Group meets annually to discuss a range of topics and share their experiences creating independent schools and IT units.

The CRA Board decided that the Chair of the Deans Group should be a member of the CRA Board (like many of our other committees). Thus, Eunice Santos will be a member of the CRA Board during her term as Chair of the Deans Group.

Raquel Hill

Raquel Hill is a tenured Associate Professor and Chair of the Computer and Information Sciences Department at Spelman College. Prior to joining Spelman College, Hill was an Associate Professor of Computer Science and the Director of the Cybersecurity Academic Program in the School of Informatics, Computing, and Engineering (SICE) at Indiana University. She holds B.S. and M.S. degrees in Computer Science from the Georgia Institute of Technology and a Ph.D. in Computer Science from Harvard University.

Her primary research interests span the areas of trust and security for distributed computing environments and data privacy. Her interdisciplinary work on the re-identification risks in behavioral science data was featured in *Forbes Magazine*. In 2016, Hill was selected and featured in Indiana University's Brilliant Minds series.

Hill is a passionate educator, and in 2019, she was awarded Indiana University's Trustees Teaching Award. Hill has also dedicated a significant amount of her time to mentoring students at both the undergraduate and graduate levels, as well as participating in departmental and campus level initiatives to engage undergraduates in research.

Eunice E. Santos

Eunice E. Santos is Professor and Dean of the School of Information Sciences at the University of Illinois at Urbana-Champaign. She works in the areas of complex adaptive systems, human modeling with applications to the biological, physical, and social sciences, large-scale parallel and distributed processing, cybersecurity, and other areas. Prior to joining Illinois, Santos was the Ron Hochsprung Endowed Chair, as well as Department Chair, in the Department of Computer Science at Illinois Institute of Technology. Santos has received numerous awards, including a National Science Foundation Career Award, the Spira Award for Excellence in Teaching, the IEEE-CS Technical Achievement Award, the Robinson Faculty Award and the IEEE Big Data Security Woman of Achievement Award. She has been named to Crain's Tech 50 in 2016 and 2018. Santos is a Fellow of the American Association for the Advancement of Science. She earned her Ph.D. in Computer Science from the University of California, Berkeley.

CRA's CV Database: Now open for 2022-23 recruiting season

Please forward this announcement to all Ph.D. students in your department who are set to graduate this academic year.

As a first step to address recruiting challenges in the computing research community, the Computing Research Association (CRA) launched the CV Database initiative in Fall 2018. This initiative provides a database of candidates for academic and industrial/government laboratory research positions, and it is searchable by most CRA member institutions.

In the three years of the program, the number of CVs submitted to the database has continued to increase. Last year the CV Database received 191 completed applications. The CV Database was then actively queried by several members of CRA who were looking to recruit new members to their department and/or lab.

The CV Database is accessed at https://cra.org/cv-database/. Recruiters are actively using the database, so please encourage all of your PhD students who are actively looking for academic or industrial/government laboratory research positions to post their applications. To obtain the highest benefit, we encourage students post their CV by November 1st (latest).

NSF Announces New Awards to Fund the Prediction and Prevention of Pandemics

CCC
Computing Community Consortium
Catalyst

By Maddy Hunter, CCC Program Associate

The National Science Foundation announced a series of grants as a part of their new Predictive Intelligence for Pandemic Prevention (PIPP) program. The quick onset, mass devastation, and unpredictability of new strands and waves of contagion with COVID-19 taught us just how unprepared we were to face a global pandemic. Nearly $26 million in new awards will be used to support "high-risk, high-payoff convergent research that aims to identify, model, predict, track and mitigate the effects of future pandemics."

The Computing Community Consortium (CCC) wrote a series of white papers revolving around pandemic informatics. Published in November 2020, the first paper, Pandemic Informatics: Preparation, Robustness, and Resilience was part of of a series of white papers that the CCC produces every four years, in which members of the computing research community come together to identify key research challenges and opportunities. In the area of pandemic informatics the goal was not only to identify computing solutions that would help with the current pandemic, but also to prepare the nation for another future disaster. Key recommendations were:

- The development of models that are not just scientifically effective, but that support understanding on the part of the public, as well as actionable insights for policy makers.
- Identification and preparation of resources (data, computational power, expertise) that allow us to respond quickly and predict effectively in a crisis situation.
- Research into real-time collection and updating of data, models, and model assumptions in rapidly changing environments.

Two addenda followed the original paper: Pandemic Informatics: Vaccine Distribution, Logistics, and Prioritization (March 2021) and Pandemic Informatics: Variants of Concern (April 2021). These two papers revisited the aforementioned recommendations, suggesting specific ways to collect more data, create models and develop infrastructures to slow the spread of COVID, make the vaccination process more effective and track/predict new variants.

The series encouraged new government funding streams and emphasized an interdisciplinary research approach. NSF's new awards seek to invest in over 500 researchers across all disciplines to support research and address challenges spanning the entire timeline of pandemic response, including "supporting data collection and analysis, creation of new sensors and predictive capabilities, methods for understanding impact and spread, processes to increase our ability to anticipate the role of human behavior and information sharing, and development of mitigation strategies and policy recommendations."

For more details, including specific recommendations and research directions, you can find the CCC's pandemic informatics papers here; for more about NSF's PIPP program and awards, please consult NSF News.

Building Resilience to Climate Driven Extreme Events with Computing

CCC
Computing Community Consortium
Catalyst

By Maddy Hunter, CCC Program Associate

On November 10, 2022 from 12-3pm EST, the Computing Community Consortium is hosting a virtual workshop sponsored by the National Science Foundation's Convergence Accelerator program. This workshop will be the second of a two-part workshop series titled, *Building Resilience to Climate Driven Extreme Events with Computing Innovations: A Convergence Accelerator Workshop*, the first of which will be held in-person.

Building Resilience *(continued)*

Through this workshop series, we hope to identify the computing building blocks needed to facilitate and expedite technological innovation in multiple impact areas. We plan to focus on a subset of the impact areas identified in the CCC white paper titled, Computing Research for the Climate Crisis: Energy, Environmental Justice, Agriculture, and Transportation. The virtual component will have an open registration for all relevant researchers and practitioners with expertise in these and other fields related to climate research. During this virtual workshop, we will discuss the emerging themes developed during the in-person workshop and identify additional areas to explore. Breakout groups will help facilitate engagement from all interested parties. Please register here.

Former CCC Council Member Ian Foster Named 2022 ACM/IEEE-CS Ken Kennedy Award Recipient

By Maddy Hunter, CCC Program Associate

Ian Foster, former Computing Community Consortium (CCC) Council Member and Professor at the University of Chicago and Division Director at Argonne National Laboratory, was just named the 2022 Ken Kennedy award recipient. Presented by the **Association for Computing Machinery** (ACM) and the **Institute of Electrical and Electronics Engineers Computer Society** (IEEE-CS) the Ken Kennedy Award is an annual honor recognizing contributions to programmability and productivity in computing and community service or mentoring contributions. You can see past award winners here.

Foster is recognized for his substantial contributions in accelerating scientific discovery in computational science by establishing innovative, newfangled applications of distributed computing both within supercomputers and over networks. His work on large-scale task-parallel programming, on-demand distributed computations ("grid computing"), virtual organizations, universal data transfer, trust fabrics, and cloud management services for data-intensive science has transformed programmability and productivity in computing.

Foster received a BSc (Hons I) degree from the University of Canterbury, New Zealand, and a PhD from Imperial College, United Kingdom, both in computer science. His research deals with distributed, parallel, and data-intensive computing technologies, and innovative applications of those technologies to scientific problems in such domains as climate change and biomedicine. Throughout his career he has created his own software, Globus, which is widely used in national and international cyberinfrastructures and co-founded his own company, Univa, Inc., which delivers grid and cloud computing solutions. Foster is a fellow of the American Association for the Advancement of Science, the Association for Computing Machinery, and the British Computer Society. His awards include the Global Information Infrastructure Next Generation award, the British Computer Society's Lovelace Medal, the IEEE's Kanai award, and honorary doctorates from the University of Canterbury, New Zealand, and the Mexican Center for Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV).

Foster served as a CCC Council member from 2018-2022. He made pivotal contributions to the CCC during his time on the Council including writing multiple quadrennial papers and leading the ideation and subsequent whitepaper on the prospect of a National Discovery Cloud.

We join the community in congratulating Foster.

NSF Releases Open Knowledge Network Roadmap Report

CCC
Computing Community Consortium
Catalyst

By Maddy Hunter, CCC Program Associate

Transformative advancements in Artificial Intelligence (AI) and technology require large amounts of accurate, comprehensive data. There is a widening disparity between the types and amounts of datasets that organizations have access to. This not only hinders research, but widens the knowledge gap between entities. A commonly talked about solution is developing an open source knowledge structure that will be available to everyone and house a wide diversity of data to help address pressing issues such as economic growth, climate change, misinformation, pandemic prevention etc. Last week the National Science Foundation (NSF) released an "Open Knowledge Network Roadmap Report" as a guide towards realizing this type of infrastructure.

In February through June of 2022, NSF with support from the White House Office of Science and Technology Policy, put together the "Open Knowledge Network Innovation Sprint". The event brought together stakeholders from industry, non-profits, academia and the government to discuss specific use cases, potential application areas, and user insights into establishing an open knowledge system. The findings and discussions were synthesized and written into a comprehensive roadmap.

The report outline is the following:

- **Section 1** introduces the vision of the OKN, including its features, functions, and benefits, and related work in this area.
- **Section 2** describes the initiation of the OKN activity and the OKN Innovation Sprint process.
- **Section 3** describes the key takeaways related to the characteristics of the OKN.
- **Section 4** describes the range of issues to be considered in creating an OKN.
- **Section 5** describes considerations for taking this effort forward in an effective and sustainable way.
- **Section 6** provides an overview of 17 use cases developed during the Innovation Sprint.
- **Section 7** describes a possible timeline for implementing a Proto-OKN.
- **Section 8** provides a conclusion based on the findings of the previous seven sections.

You can read the full report here. The Computing Community Consortium has been highlighting the need for an entity that enables equal access to datasets for over a decade. It was called for in a 2010 CCC white paper From Data to Knowledge to Action, a Global Enabler for the 21st Century and again in a 2021 CCC white paper A National Discovery Cloud: Preparing the US for Global Competitiveness in the New Era of 21st Century Digital Transformation.

CRA-E's Undergraduate Research Highlights: UA Student Takes on Research in Set Visualization

CRA-E
Computing Research Association
Education

CRA-E's "Undergraduate Research Highlights" series showcases outstanding research done by undergraduate students at universities and colleges across North America. Each article features the story of a successful undergraduate researcher and offers personal insights into their experiences with finding an advisor, undertaking new research projects, and discovering how research can impact their personal and professional future. It is one of a number of CRA-E's activities that foster and recognize talented computing researchers with the goal of increasing the research pipeline, promoting graduate education, and advocating research-based careers.

In addition to helping students understand the process of getting involved in research, the articles also serve as a venue for students to pass along advice to others who aspire to become involved in research themselves. Students selected for the research highlights include those receiving recognition in the CRA Outstanding Undergraduate Researcher Award competition. This series is written and edited by CRA-E Graduate Fellows.

UA Student Takes on Research in Set Visualization

Ben Jacobsen, B.A. in Mathematics, Minor in Computer Science, University of Arizona

This Q&A highlight features Ben Jacobsen, an Honorable Mention in the 2021 CRA Outstanding Undergraduate Researchers award program. Ben graduated from the University of Arizona and is now a Computer Science Ph.D. student at the University of Wisconsin - Madison. This interview has been edited for length and clarity.

How did you find your research opportunity and hone in on a project?

During the first semester of my junior year, I worked on a side project visualizing how different articles on Wikipedia are linked to each other. Along the way, I asked a professor for guidance on some technical and organizational concerns. After I was satisfied with my visualization, I sent him a copy, thanking him for his help. He was impressed, so he put me in touch with Prof. Stephen Kobourov, who was doing research in data visualization.

When I met with Prof. Kobourov, he listed a few projects he had on the back burner and some readings describing each one. A week later, I picked the topic most interesting to me, and we got started.

What project did you settle on?

We designed and implemented a system to efficiently visualize complicated set systems. A set is a collection of items that share some property. For example, your items could be music artists and groups, and your properties could be genres. Then a band like Aerosmith would belong to both the set of pop rock artists and the set of heavy metal artists. While two or three sets can be visualized with a Venn diagram, it's actually quite hard to visualize many more in a meaningful way.

Our project, MetroSets, visualizes set systems as metro maps, just like you see on the subway in many cities. We published the design and implementation of MetroSets at IEEE VIS, the premier visualization conference. You can watch my presentation on YouTube. We also published results of a user study at PacificVis, showing that MetroSets both performs better and is more well-liked than other standard set visualization systems.

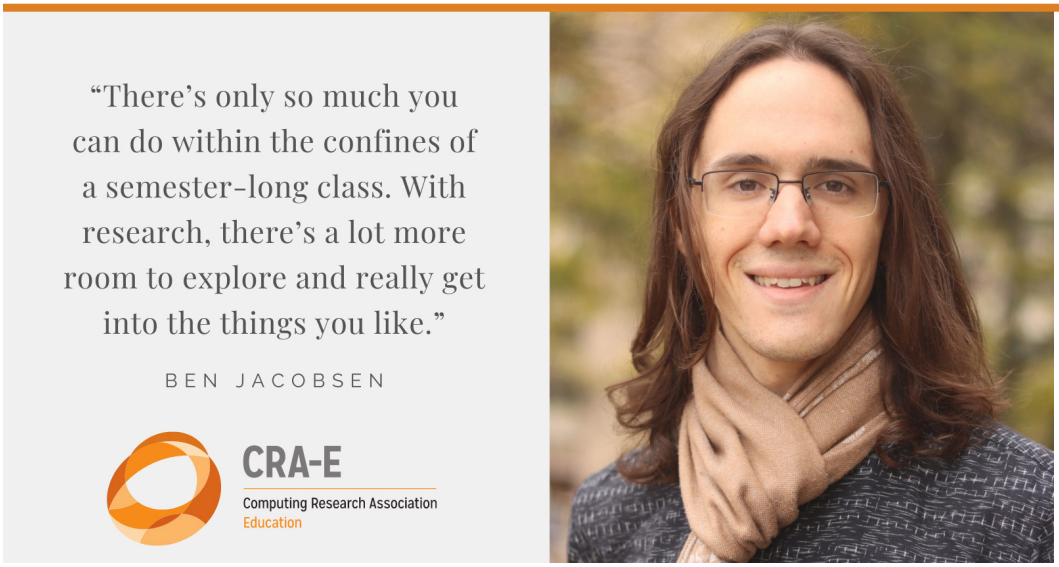
What challenges did you encounter when first getting started in research?

Time management was critical. Initially, I spent too many late nights feverishly debugging. It took a while to figure out how to balance coursework alongside 15 hours of research each week without sacrificing sleep. I made a few difficult decisions, like dropping a class I really wanted to take, as well as organizing my obligations to avoid everything piling up near deadlines.

What was your experience working with research mentors and other researchers?

Prof. Kobourov gave me a great deal of guidance, especially early on, so I had very concrete short-term objectives to work towards –

Research Highlights *(continued)*



read this paper, program this feature, and so on. The way Prof. Kobourov structured my role in the project made research more of a gradual transition, rather than a sharp shock.

After a month or two on the project, we also teamed up with a pair of researchers from Austria, Markus Wallinger and Martin Noellenburg, who had been working on the same problem independently. I was used to working solo on personal projects, so it was a new challenge to work with other contributors. I spent hours pouring over git tutorials, just trying to wrap my head around the whole thing. However, I definitely think we were able to accomplish a lot more together than we could have separately. Discovering other academics independently working in the same space made me feel like I was a part of a research program that extended beyond just my own university/project, which was exciting.

What were some of your favorite aspects of research?

It was a lot of fun to watch MetroSets grow, week by week. Seeing the difference between some of our early proof-of-concept visualizations and the final product is a pretty incredible feeling.

As time went on, I had more opportunities to shape the direction of the project and my time in it. Ultimately, I think this is one of the most compelling parts of research for me — there's only so much you can do and so deep you can go within the confines of a semester-long class. With research, there's a lot more room to explore and really get into the things you like.

How has participating in research shaped your professional path?

I'm working towards a PhD now, which almost certainly wouldn't have happened without doing research in undergrad. Not just because admissions would have been harder, but because I didn't even conceive of research as a possibility for me. I just assumed I would end up in IT, software development or something like that.

My research has shifted over to digital privacy in the context of machine learning. It's very different from data visualization, yet a lot of transferable skills from my undergrad research are directly applicable. Your very first project in undergrad doesn't have to commit you to the area forever!

Do you have any advice for other students looking to get into research?

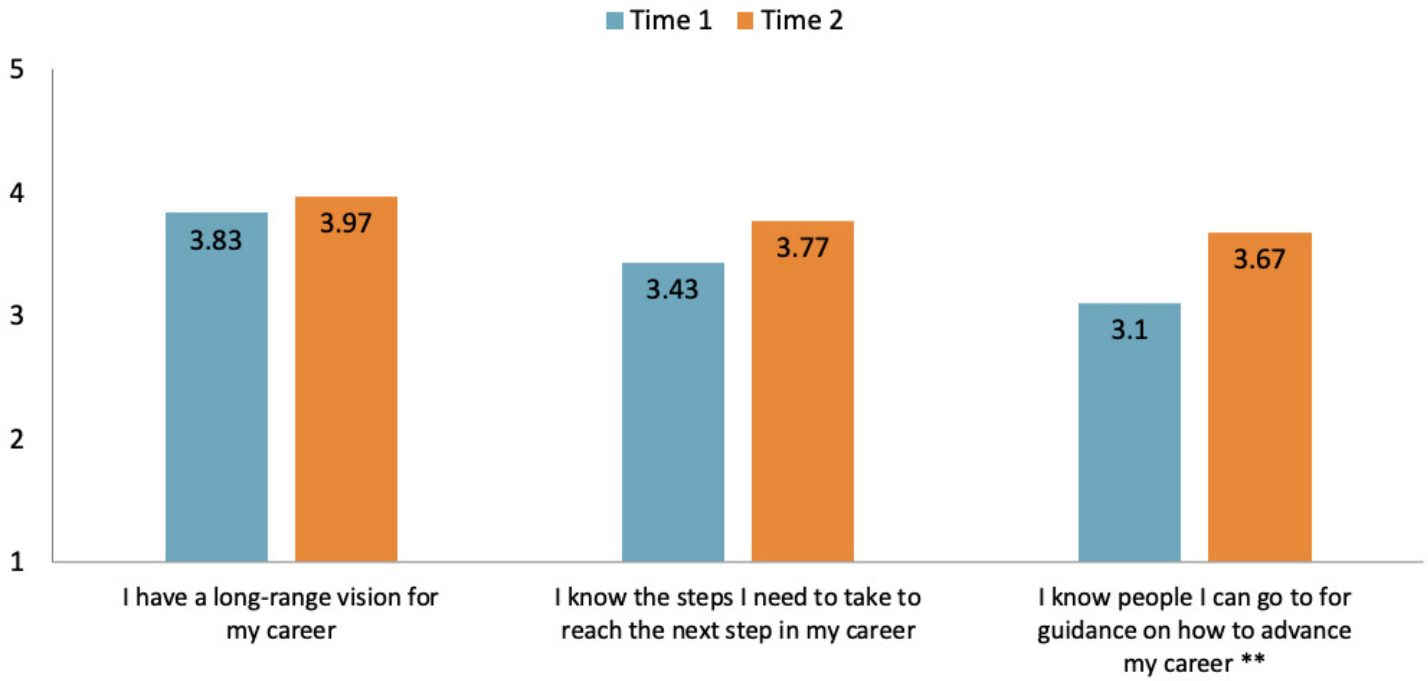
I think my two main suggestions would be A) explore topics and projects that sound cool to you, and B) take the time to get to know your professors. Many good things have happened just because I stayed back after class to chat.

— Edited by Yasra Chandio and Nadia Ady

Snapshot Results from the CRA-WP Career Mentoring Workshops

CERP
Computing Research Association
Evaluation

By Heather Wright, Associate Director of CERP



Source: Center for Evaluating the Research Pipeline, Computing Research Association
Note: Values represent mean responses for each statement. Responses were giving on a five-point scale, with higher numbers indicating stronger agreement with each statement. N = 30. ** $p = .01$.

A long-standing program of the Computing Research Association's Committee on Widening Participation in Computing Research (CRA-WP) is the Career Mentoring Workshops (CMWs). CMWs are designed to support individuals in the early and mid-career stages of their career pathways, from senior doctoral students to mid-career faculty or researchers preparing for senior positions. There are tracks for those in academia, industry, and government research labs. For the latest workshops held in November of 2020, attendees attended virtual workshop sessions tailored specifically to their needs based on their current career trajectory.

CERP has provided evaluation for the CRA-WP CMWs since 2015, using a pretest-posttest evaluation design, wherein participants completed a survey both before and then after the workshop. Although workshops prior to 2020 were held in-person, CERP employed the same evaluation design for the virtual workshop in 2020. Of the 122 number of attendees, 30 individuals completed both the pre and post surveys (Time 1 and Time 2, respectively) for the workshop.

Survey respondents answered on a five-point scale the degree to which they disagreed or agreed to the following statements: "I have a long-range vision for my career", "I know the steps I need to take to reach the next step in my career", and "I know people I can go to for guidance on how to advance my career." Data were analyzed using paired-samples t-tests with a significance level of $p \leq .05$. Results indicate that after the workshop, as compared to before the workshop, participants were more likely to report they knew people to whom they could go to for guidance on how to advance their career ($t = 2.73$, $p = .01$). There were no statistical differences between means at the Time 1 and Time 2 for the other two statements included in the analysis.

Snapshot Results *(continued)*

Of importance, this analysis does not separate early and mid-career respondents. It is possible that early-career respondents have a different viewpoint on their career trajectory than mid-career respondents. Additional analysis will be conducted to tease apart differences in these results based on career track as well as respondent demographics.

This analysis is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. Subscribe to the CERP newsletter here. Volunteer for Data Buddies by signing up here.

This work is supported through National Science Foundation (NSF) award CNS-1840724. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Expanding the Pipeline: Distributed REsearch Apprenticeships for Master's (DREAM)

CRA-WP
Computing Research Association
Widening Participation

By Tracy Camp, Computing Research Association and Catherine Gill, Northeastern University

The Distributed REsearch Apprenticeships for Master's (DREAM) is a pilot NSF program being offered by a nationwide consortium of colleges and universities that have created "bridge to MS in CS" programs for students with non-CS bachelor's degrees. Schools in the MSCS Pathways to Computing Consortium provide a new pathway for people who studied something other than CS as undergraduates to enter the tech field. The strong emphasis of this effort is to provide a new pathway into computing for individuals from populations historically minoritized in tech (women, LGBQTIA, Black/African American, Hispanic/Latino, Native American/Hawaiian/Alaskan/Asian Pacific Islander students, and students with disabilities). Consortium members sign a membership agreement that, among other things, confirms their commitment to increasing the diversity of their graduate programs. Students in these Consortium pathways come from a wide array of undergraduate backgrounds that span the STEM disciplines, humanities, social sciences, business, and the arts.

The MS in CS for non-majors presents an exciting opportunity to recruit a new population of students into computing PhD programs. With DREAM, Consortium students engage in semester-long research projects. They receive $12,000 stipends as well as mentoring, professional development, and cohort community activities. The goal of DREAM is to increase the number of students pursuing a PhD in CS who are from groups historically minoritized in tech and, in so doing, diversify computing departments themselves.

The demand for participating in DREAM from students at the Consortium schools (13 at the time) was high. In total, 149 students from the 13 universities applied: 67 (45%) were women and 21 (14%) were students from other groups historically minoritized in tech. From these applications, 50 students (33% accept ratio) were accepted into DREAM and 43 (86% commit ratio) participated (19 (44%) of whom were women and eight (19%) from other groups historically minoritized in tech). The 43 students, who have been funded by an NSF grant (16 students) and two foundation partners (27 students), are from the following nine Consortium member schools: Clemson University, Colorado School of Mines, Columbia University, DePaul University, Northeastern University, Tufts University, University of California at Riverside, University of Illinois at Urbana-Champaign, and University of North Texas.

Of the 43 students participating in the DREAM pilot this year, 30 students worked on their research experience during summer 2022 and the other 13 will complete their DREAM during the 2022-23 academic year. Each student is matched with both a faculty advisor and a mentor and all advisors and mentors participate in a training on research-based mentoring practices for students historically minoritized in tech. In addition, DREAM students engage in virtual community activities during their DREAM experience.

DREAM draws its inspiration from CRA-WP's Distributed Research Experiences for Undergraduates (DREU) program, which has been successful at encouraging undergrads from diverse backgrounds to enroll in CS graduate programs. Will DREAM be as successful as DREU? This question will be answered via surveys, interviews, and comparisons with the national Data Buddies survey. Early survey results from the Summer 2022 students are promising; for example, for the 20 DREAM summer students who completed both the pre and post-surveys, there was a significant improvement in research confidence. In addition, there was a significant positive change in response to the question "I plan on pursuing a PhD to become a university professor".

In the coming months, evaluation of the DREAM pilot will be extended to include students who are doing their research experience this fall. Early next year, CRA's Center for Evaluating the Research Pipeline (CERP) will begin a comparative evaluation of DREAM participants with non-participants. While evaluation and analysis are ongoing, the DREAM pilot has already demonstrated a strong demand for research experiences among non-traditional Master's students. Because of that demand and the positive indications from the first evaluation, CRA-WP (with initial support from NSF) plans to scale the DREAM program nationally. Members of the MSCS Pathways Consortium will work with CRA-WP to leverage the NSF funding to raise philanthropic funds in order to meet student demand.

Expanding the Pipeline *(continued)*

Four quotes from students who participated in DREAM this summer are included below. The four students are from four different institutions and all four identify with a population historically minoritized in tech.

The DREAM program gave me the unique opportunity to explore my research interests with the kind of funding that is generally only available for REU programs or PhD students. It filled a necessary gap in support for non-traditional grad students such as myself, which gave me the space to explore research at the graduate level and cemented my plan to pursue a PhD in computational biology.

This program has changed my perception of research as well as the way I speak to other women who are considering research.

I have decided to pursue a MS thesis since completing my DREAM research in order to expand on my summer research.

I am so grateful for this experience and the opportunity to be part of a team that is working on overcoming the communication barriers between deaf and hearing.

About the Authors

Tracy Camp

Dr. Tracy Camp is CRA's Executive Director. Camp joins CRA from Colorado School of Mines, where she was a member of the faculty since 1998, and Department Head of Computer Science at Mines since 2016. Camp's research interests are in wireless networking. She is most known for improving the credibility of wireless networking simulation studies. More than 4,000 researchers in 88 countries/regions have downloaded at least one of the twelve software packages developed by her research group (as of June 2021) and her research articles have been cited 14,794 times (per Google Scholar, as of June 2021).

Camp has received over 20 grants from the National Science Foundation, including a prestigious CAREER award. In total, her projects have received over $20 million dollars in external funding.

Camp is an ACM Fellow, an IEEE Fellow, and an ACM Distinguished Lecturer. She was a Fulbright Scholar in New Zealand in 2006, and a Distinguished Visitor at the University of Bonn in Germany in 2010. She earned her B.A. in mathematics at Kalamazoo College, M.S. in computer science from Michigan State University, and Ph.D. in computer science from the College of William and Mary.

Catherine Gill

Catherine is managing director for Northeastern's Center for Inclusive Computing (CIC), where she oversees strategy, partnerships and fundraising. The CIC's mission is to materially increase the representation of women of all races and ethnicities earning computing degrees. Prior to this role, Catherine was managing director of the Align Program, a Master's in computer science specifically designed for individuals who did not study computing as undergraduates.

Before Northeastern, Catherine was executive vice president at Root Capital, a social enterprise that provides financing to agricultural businesses in Latin America and sub-Saharan Africa, and where, among other things, she helped launch the Women in Agriculture Initiative.

Catherine holds an MBA from the Instituto de Estudios Superiores de la Empresa (IESE) in Barcelona, Spain, and a B.A. in ancient Greek from Wellesley College. She is the board chair of the Criterion Institute, a think tank that seeks to use finance as a tool for social change.

On Undergraduate Research in Computer Science: Tips for shaping successful undergraduate research projects

CRA-E Computing Research Association Education

CRA Computing Research Association

By Samir Khuller, Northwestern University

Note: Khuller was the recipient of the 2020 CRA-E Undergraduate Research Faculty Mentoring Award, which recognizes individual faculty members who have provided exceptional mentorship, undergraduate research experiences and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing. CRA-E is currently accepting nominations for the 2023 award program.

One of the goals I hope to accomplish with this article is to open the eyes of faculty to the ways in which bright and motivated undergraduates can contribute meaningfully to their research projects and groups. This piece intends to help educate folks who have limited experience with undergraduate research or are unsure how to come up with research projects. I hope it helps others learn quickly from the knowledge I have gained over the years.

Exposing undergraduates to research may encourage them to pursue PhDs

At the CRA Conference at Snowbird this summer, data was presented that showed that the overall number of PhDs granted in Computer Science (CS) in the US has not changed substantially in the last decade even though undergraduate programs have grown significantly. Meanwhile, the percentage of US students getting PhDs in CS showed a pretty substantial decline from 48% to 31%. While there are many factors at play–notably a strong job market for undergraduates– I do know from prior discussions with undergraduate students (UGs), that many CS departments also do not make a substantial effort in exposing UGs to research opportunities. Moreover, when I started as a faculty member I too struggled in defining good research projects for undergraduates (they were either too easy or too similar to PhD research topics, and so were likely not appropriate for undergraduates). I think getting UGs excited about research is perhaps the first step to getting them excited to think about getting a PhD as a career option.

Is research by undergraduate students an oxymoron?

I will admit that initially I too was skeptical about the possibility and success of true undergraduate research. My own research experiences as an undergraduate were pathetic. As a student often I would hear people say "I am going to the library to do research". So I too went to the library to do research. Research to me meant finding something in the library that was not in a textbook, understanding it, and telling people about the work. At that point I thought I had done some research! I never gave much thought to how new material got into journals to begin with.

Talking to a colleague recently - he said "maybe what all UGs do in a chemistry lab is wash test tubes….". The truth is that I do not really know what UG research in chemistry looks like. But the point I wanted to make with this article is that high level UG research in CS is entirely doable. Indeed, in theoretical computer science (TCS) we have witnessed brilliant papers in top conferences by undergraduate students, and I would argue that UG research can be done quite effectively in other areas of computing research as well.

So what should UG research in CS look like?

I have advised over 30 undergraduate researchers and based on my experiences, I have a few observations. Most successful research projects involving undergraduates require a lead time of about 18 months before graduation. It usually takes a few months for the student to read the relevant papers, and for us to identify a topic that aligns with the student's interests and background. I usually expect that students would have taken both an undergraduate level class in algorithm design as well as discrete mathematics. If they can take a graduate level class, that would also be incredibly valuable.

Undergraduate Research *(continued)*

Tips for shaping successful undergraduate research projects

Below is my process for defining a successful UG research project. UGs typically have 12-18 months for a research project, not 3-4 years like most Ph.D. students.

- At my first meeting, I ask the students about the different topics they learned about in their Algorithms class and what appealed to them the most.
- Using their answer from bullet #1, I usually spend some time thinking about the right topic for them to work on. The key here is that any paper that the student has to read should not have a long chain of preceding papers that will take them months to get to. Luckily many graph problems as well as combinatorial optimization and scheduling problems lend themselves to easy descriptions. So in a few minutes you can describe the problem.
- The research should be on a topic of significant interest and related to things I have worked on, and one in which I have some intuition about the direction of research and conjectures that might be true and provable with elementary methods.
- I usually treat undergraduates the same way as PhD students, while being aware that they have limited time (a year) as opposed to PhD students who might begin a vaguely defined research project.
- Have them work jointly with a PhD student, if the research is close enough to the PhD students interests and expertise. It's also a valuable mentoring experience for the PhD student. Simply having a couple of undergrads work on a project jointly can be motivating for both.
- One benefit of tackling hard problems at this stage is that there is no downside. If a student does not make progress, in the worst case they read a few papers and learn some new things. This allows us to work on problems with less pressure than second and third year graduate students are under.

Over the last 25 years, I have had the opportunity to work with a very large number of talented undergraduates –from University of Maryland (UMD) and Northwestern University, but also many via the NSF funded REU site program (REU CAAR) that Bill Gasarch (UMD) and I co-ran from 2012-2018. Many of the students I advised, have published the work they did and subsequently received fellowships and admission to top Ph.D programs. Recent graduates are Elissa Redmiles (Ph.D. UMD), Frederic Koehler (Ph.D. MIT) and Riley Murray (Ph.D. Caltech). I specifically wanted to mention An Zhu (Ph.D. Stanford University) who first opened my eyes to the amazing work that is possible by undergraduates.

About the Author

Samir Khuller received his M.S and Ph.D from Cornell University in 1989 and 1990, respectively, under the supervision of Vijay Vazirani. He was the first Elizabeth Stevinson Iribe Chair for CS at the University of Maryland. As chair he led the development of the Brendan Iribe Center for Computer Science and Innovation, a project completed in March 2019. In March 2019, Khuller joined Northwestern University as the Peter and Adrienne Barris Chair for CS.

His research interests are in graph algorithms, discrete optimization, and computational geometry. He has published about 200 journal and conference papers, and several book chapters on these topics. He served on the ESA Steering Committee from 2012-2016 and chaired the 2019 MAPSP Scheduling Workshop, and served on the program committee's of many top conferences. From 2018-2021 he was Chair of SIGACT. In 2020, he received the CRA-E Undergraduate Research Mentoring Award and in 2021 he was selected as a Fellow of EATCS.

He received the National Science Foundation's Career Development Award, several Dept. Teaching Awards, the Dean's Teaching Excellence Award and also a CTE-Lilly Teaching Fellowship. In 2003, he and his students were awarded the "Best newcomer paper" award for the ACM PODS Conference. He received the University of Maryland's Distinguished Scholar Teacher Award in 2007, as well as a Google Research Award and an Amazon Research Award. In 2016, he received the European Symposium on Algorithms inaugural Test of Time Award for his work with Sudipto Guha on Connected Dominating Sets. He graduated at the top of the Computer Science Class from IIT-Kanpur.

CRA Board of Directors

Alex Aiken, Stanford University
James Allan, University of Massachusetts, Amherst
Nancy Amato, University of Illinois, Urbana-Champaign
Carla Brodley, Northeastern University
Lorrie Cranor, Carnegie Mellon University
Leila De Floriani, University of Maryland
Eric de Sturler, Virginia Tech
Sandhya Dwarkadas, University of Virginia
Stephanie Forrest, Arizona State University
Diana Franklin, University of Chicago
Yolanda Gil, University of Southern California
Maria Gini, University of Minnesota
Dan Grossman, University of Washington
Mary Hall, University of Utah
Gillian Hayes, University of Southern California
Kim Hazelwood, Facebook AI Research
Raquel Hill, Spelman College
Ayanna Howard, Ohio State University
Arvind Krishnamurthy, University of Washington
Kate Larson, University of Waterloo
Ran Libeskind-Hadas, Claremont McKenna College
Dan Lopresti, Lehigh University
Fatma Özcan, Google
Timothy Pinkston, University of Southern California
Lori Pollock, University of Delaware
Rachel Pottinger, University of British Columbia
Chris Ramming, VMWare
Eunice E. Santos, University of Illinois
Eve Schooler, Intel
Forrest Shull, Carnegie Mellon University
Katie Siek, Indiana University Bloomington
Eugene Spafford, Purdue University
Divesh Srivastava, AT&T Labs-Research
Jaime Teevan, Microsoft/University of Washington
Alexander Wolf, University of California, Santa Cruz
Ben Zorn, Microsoft

CRA Executive Committee

Nancy Amato, Chair
Dan Grossman, Vice Chair
James Allan, Treasurer
Ran Libeskind-Hadas, Secretary
Jaime Teevan, Appointed Member

CRA Staff

Nicole Beck, Reimbursement Specialist
Betsy Bizot, Senior Research Associate
Tracy Camp, Executive Director
Daniela Cárdenas, Senior Program Associate, CRA-WP
Sandra Corbett, Senior Administrator for Events Management
Ann Schwartz Drobnis, Director, CCC
Catherine Gill, Program Associate, CCC
Haley Griffin, Program Associate, CCC
Alejandra Guzman, Senior Program Associate, CRA-WP
Jill Hallden, Senior Grant Specialist
Peter Harsha, Senior Director of Government Affairs
Maddy Hunter, Program Associate, CCC
Sabrina Jacob, Senior Administrator for Membership and Advertising
Kristi Kelly, Senior Research Associate, CERP
Lauren Lashlee, Program Associate, CRA-WP
Roohia Meer, Program Associate, CERP
Brian Mosley, Senior Policy Analyst
Taniya Ross-Dunmore, Research Assistant, CERP
Erik Russell, Director of Programs
Shar Steed, Senior Communications Specialist
Burçin Tamer, Director, CERP
Heather Wright, Associate Director, CERP
Helen Wright, Senior Program Associate, CRA-Industry
Evelyn Yarzebinski, Senior Research Associate, CERP

Column Editors

Expanding the Pipeline

Soha Hassoun, Tufts University
Patty Lopez, New Mexico State University

Arizona State University

Professor (All Ranks) Biodesign, Computing and Augmented Intelligence, Complex Adaptive Systems

Arizona State University (ASU) invites applications for a tenured or tenure-track faculty position to be housed in the Biodesign Center for Biocomputation, Security and Society (CBSS) and in one of the School of Computing and Augmented Intelligence (SCAI) or the School of Complex Adaptive Systems (SCAS). We are particularly interested in tenure-track applicants but will consider exceptionally strong tenured candidates. The position is joint between CBSS and one of SCAI or SCAS, depending on the qualifications of the successful candidate. CBSS focuses on projects that require tight integration of biological principles and computational abstractions, emphasizing defenses against malicious behavior in natural and artificial complex systems. Areas of interest include adaptive systems, bio-inspired Augmented Intelligence (AI) and algorithms, evolutionary computation, computational modeling (especially immunology and evolution), cybersecurity, and decision-making in complex systems. Originality, fit with the Center, strong interdisciplinarity, and the potential impact of the candidate are higher priorities than specific research area.

We seek applicants who will contribute to our programs and expand collaborations between the Biodesign Institute, SCAI, and SCAS. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities within the university, in the professional community and at a national level.

Appointments are expected to begin August 2023. The tenure home may be in either the School of Computing and Augmented Intelligence or the School of Complex Adaptive Systems, depending on the qualifications and expertise of the successful candidate. Teaching responsibilities will be to the School to which the candidate is appointed, and the research program will be closely tied to Biodesign CBSS. Applications should clearly address the candidate's teaching qualifications and experience relevant to one of the two schools.

Required qualifications:

- Earned doctorate in computer science, complex systems, biological sciences, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Demonstrated commitment to interdisciplinary research and teaching
- History of extramural funding
- Record of significant publications

Application deadline is December 1, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for four references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." ASU is dedicated to continuous innovation, student success, faculty

excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Stephanie Forrest (*steph@asu.edu*).

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Professor (all ranks) in Data Engineering for Smart Data Services

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for several tenure-track/tenured faculty positions in "Data Engineering for Smart Data Services" in the School of Computing and Augmented Intelligence (SCAI). This search will target scientists and engineers with research into data-intensive computing for Artificial Intelligence (AI) and data-driven cyber-autonomy. Areas of interest include applied and theoretical innovations in cloud/edge computing and data management for AI and machine learning, data analytics systems, cyber-physical-social systems, and smart, secure and trustworthy data services. The state of Arizona recently committed new investments towards the university in the areas of human performance, future communication technologies, extreme environments, and advanced manufacturing, within the context of its New Economy Initiative (NEI, *https://impactarizona.asu.edu/new-economy-initiative*). Candidates with application interest in these key research thrust areas are particularly encouraged to apply.

SCAI currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE, *https://cascade.asu.edu/*), Center for Accelerating Operational Efficiency (CAOE, *https://caoe.asu.edu/*), Center for Biocomputing, Security and Society (CBSS, *https://biodesign.asu.edu/biocomputing-security-and-society*), Center for Embedded Systems (CES *https://ces.asu.edu*), Center for Secure, Trusted, and Assured Microelectronics (STAM, *https://stamcenter.asu.edu*), Center for Cybersecurity and Trusted Foundations (CTF, *https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations*), Center for Ubiquitous Computing (CUBIC, *https://cubic.asu.edu*), ASU-Mayo Center for Innovative Imaging (AMCII, *https://amcii.asu.edu*), and AZ BlockChain Applied Research Center (BARC, *https://www.azbarc.org*) – and have a large number of faculty working on a variety of relevant topics that include spatial database and big data management, AI and machine learning, secure and privacy data services, and trustable data analysis. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas.

Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2023.

Required qualifications:

- Earned doctorate or equivalent in computer science, computer engineering, data science, industrial engineering, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Commitment to teaching at both the graduate and the undergraduate levels
- Evidence of commitment to a diverse academic environment, as appropriate to the candidate's rank

Application deadline is September 30, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Jia Zou at *Jia.Zou@asu.edu*.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Professor (all ranks) in Embedded and Scalable Computing

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for several tenure-track/tenured faculty positions in "Embedded and Scalable Computing" in the School of Computing and Augmented Intelligence (SCAI). This search will target scientists and engineers with research into embedded Artificial Intelligence (AI), real-time distributed computing, programming languages, compilers, networking for embedded and distributed systems, and hardware/software co-design. Areas of interest include applied and theoretical

innovations real-time distributed and scalable algorithms targeting edge & cloud computing and multi-processor systems, embedded AI and cyber-physical systems, post-CMOS technology, and advanced memory technology and non-Von Neumann architectures. The state of Arizona recently committed new investments towards the university in the areas of human performance, future communication technologies, extreme environments, and advanced manufacturing, within the context of its New Economy Initiative (NEI, *https://impactarizona.asu.edu/new-economy-initiative*). Candidates with application interest in these key research thrust areas are particularly encouraged to apply.

SCAI currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE, *https://cascade.asu.edu/*), Center for Accelerating Operational Efficiency (CAOE, *https://caoe.asu.edu/*), Center for Biocomputing, Security and Society (CBSS, *https://biodesign.asu.edu/biocomputing-security-and-society*), Center for Embedded Systems (CES *https://ces.asu.edu*), Center for Secure, Trusted, and Assured Microelectronics (STAM, *https://stamcenter.asu.edu*), Center for Cybersecurity and Trusted Foundations (CTF, *https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations*) , Center for Ubiquitous Computing (CUBIC, *https://cubic.asu.edu*), ASU-Mayo Center for Innovative Imaging (AMCII, *https://amcii.asu.edu/*), and AZ BlockChain Applied Research Center (BARC, *https://www.azbarc.org*) – and have a large number of faculty working on a variety of relevant topics. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2023.

Required qualifications:

- Earned doctorate or equivalent in computer science, computer engineering, electrical engineering, industrial engineering, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Commitment to teaching at both the graduate and the undergraduate levels
- Evidence of commitment to a diverse academic environment, as appropriate to the candidate's rank

Application deadline is October 2, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by

whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Sarma Vrudhula at *svrudhul@asu.edu*.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Arizona State University

Professor (all ranks) in Human Centered and Affective Computing

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for several tenure-track/tenured faculty positions in "Human Centered and Affective Computing" in the School of Computing and Augmented Intelligence (SCAI). This search will target scientists and engineers with research into human-centered systems, health and social computing, and virtual and augmented reality. Areas of interest include applied and theoretical innovations in developing novel technologies and techniques to improve physical and cognitive performance, including but not limited to natural language processing for human-Artificial Intelligence (AI) and human-robot teaming, the use of personalized/wearable devices and mixed reality technologies to improve health and social outcomes and support the future of work, and human-in-the-loop systems and human factors for decision making. The state of Arizona recently committed new investments towards the university in the areas of human performance, future communication technologies, extreme environments, and advanced manufacturing, within the context of its New Economy Initiative (NEI, *https://impactarizona.asu.edu/new-economy-initiative*). Candidates with application interest in these key research thrust areas are particularly encouraged to apply.

SCAI currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE, *https://cascade.asu.edu/*), Center for Accelerating Operational Efficiency (CAOE, *https://caoe.asu.edu/*), Center for Biocomputing, Security and Society (CBSS, *https://biodesign.asu.edu/biocomputing-security-and-society*), Center for Embedded Systems (CES *https://ces.asu.edu*), Center for Secure, Trusted, and Assured Microelectronics (STAM, *https://stamcenter.asu.edu*), Center for Cybersecurity and Trusted Foundations (CTF, *https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations*) , Center for Ubiquitous Computing (CUBIC, *https://cubic.asu.edu*), ASU-Mayo Center for Innovative Imaging (AMCII, *https://amcii.asu.edu*), and AZ BlockChain Applied Research Center (BARC, *https://www.azbarc.org*) – and have a large number of faculty working on a variety of relevant topics that include human-robot teaming for workforce training, visual analytics and explainable AI, AI and ML for healthcare, and haptics design. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new

paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2023.

Required qualifications:

- Earned doctorate or equivalent in computer science, computer engineering, industrial engineering, human systems engineering, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Commitment to teaching at both the graduate and the undergraduate levels
- Evidence of commitment to a diverse academic environment, as appropriate to the candidate's rank

Application deadline is October 2, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Chris Bryan at *cbryan16@asu.edu*.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Professional Opportunities

Arizona State University

Professor (all ranks) in Stochastic and Robust Decision Making

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for several tenure-track/tenured faculty positions in "Stochastic and Robust Decision Making" in the School of Computing and Augmented Intelligence (SCAI). This search will target scientists and engineers with research into statistical methods for decision support, resilient and secure systems, and decentralized decision making. Theoretical areas of interest include stochastic modeling and optimization, applied probability and statistics, distributed computing and optimization, and machine learning. Application areas of interest include but are not restricted to supply chain engineering; intelligent manufacturing; health, energy, and sustainable systems; and humanitarian systems. The state of Arizona recently committed new investments towards the university in the areas of human performance, future communication technologies, extreme environments, and advanced manufacturing, within the context of its New Economy Initiative (NEI, *https://impactarizona.asu.edu/new-economy-initiative*). Candidates with application interest in these key research thrust areas are particularly encouraged to apply.

SCAI currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE, *https://cascade.asu.edu*), Center for Accelerating Operational Efficiency (CAOE, *https://caoe.asu.edu/*), Center for Biocomputing, Security and Society (CBSS, *https://biodesign.asu.edu/biocomputing-security-and-society*), Center for Embedded Systems (CES *https://ces.asu.edu*), Center for Secure, Trusted, and Assured Microelectronics (STAM, *https://stamcenter.asu.edu*), Center for Cybersecurity and Trusted Foundations (CTF, *https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations*) , Center for Ubiquitous Computing (CUBIC, *https://cubic.asu.edu*), ASU-Mayo Center for Innovative Imaging (AMCII, *https://amcii.asu.edu*), and AZ BlockChain Applied Research Center (BARC, *https://www.azbarc.org*) – and have a large number of faculty working on a variety of relevant topics that include network algorithms and optimization, machine learning and Artificial Intelligence (AI), distributed algorithms and systems, data management, and cloud and high performance computing. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2023.

Required qualifications:

- Earned doctorate or equivalent in industrial engineering, operation research, computer science, computer engineering, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Commitment to teaching at both the graduate and the undergraduate levels
- Evidence of commitment to a diverse academic environment, as appropriate to the candidate's rank

Application deadline is October 2, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool.

Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Giulia Pedrielli at *Giulia.Pedrielli@asu.edu*.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456 .

Arizona State University

Professor (all ranks) in Urban and Social Computing

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for several tenure-track/tenured faculty positions in "Urban and Social Computing" in the School of Computing and Augmented Intelligence (SCAI). This search will target scientists and engineers with research into complex system modeling/simulation and computing for social good. Areas of interest include theoretical (high performance computing, edge computing, Internet of Things (IoT), privacy, equity, accessibility, fairness, bias, trust, security, and optimization) and applied (smart cities, digital twins, agriculture, climate, water, biodiversity, energy, transportation, resource utilization and distribution, monitoring, and Artificial Intelligence (AI) for better future of work) innovations into urban and social challenges. The state of Arizona recently committed new investments towards the university in the areas of human performance, future communication technologies, extreme environments, and advanced manufacturing, within the context of its New Economy Initiative (NEI, *https://impactarizona.asu.edu/new-economy-initiative*). Candidates with application interest in these key research thrust areas are particularly encouraged to apply.

SCAI currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE, *https://cascade.asu.edu/*), Center for Accelerating Operational Efficiency (CAOE, *https://caoe.asu.edu/*), Center for Biocomputing, Security and Society (CBSS, *https://biodesign.asu.edu/biocomputing-security-and-society*), Center for Embedded Systems (CES *https://ces.asu.edu*), Center for Secure, Trusted, and Assured Microelectronics (STAM, *https://stamcenter.asu.edu*), Center for Cybersecurity and Trusted Foundations (CTF, *https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations*), Center for Ubiquitous

Professional Opportunities

Computing (CUBIC, *https://cubic.asu.edu*), ASU-Mayo Center for Innovative Imaging (AMCII, *https://amcii.asu.edu*), and AZ BlockChain Applied Research Center (BARC, *https://www.azbarc.org*) – and have a large number of faculty working on a variety of relevant topics. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing and Augmented Intelligence is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2023.

Qualifications

Required qualifications:

- Earned doctorate or equivalent in computer science, computer engineering, industrial engineering, or a closely related field by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank; and
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Commitment to teaching at both the graduate and the undergraduate levels
- Evidence of commitment to a diverse academic environment, as appropriate to the candidate's rank

Application deadline is September 30, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

To apply, visit *https://hiring.engineering.asu.edu/* and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Statement describing commitment and approaches to advance Diversity, Equity, Inclusion and Belonging*
- Contact information for three references

*The ASU Charter states, "ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves." The Fulton Schools of Engineering are dedicated to continuous innovation, student success, faculty excellence, and cultivation of an environment that is diverse, equitable, inclusive and promotes belonging. The diversity statement provides applicants an opportunity to demonstrate their past and current activities in promoting diversity, equity, inclusion and belonging and how future activities will align with upholding the ASU Charter.

For additional information regarding position specifics, please contact the search committee chair, Professor Yezhou Yang at *yz.yang@asu.edu*.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

Professional Opportunities

ASSISTANT PROFESSOR Mathematics

Job Title:
Baruch College – Assistant Professor - Mathematics

Job Description:

The Department of Mathematics of Baruch College – CUNY invites applications for an anticipated tenure-track position beginning on or about August 24, 2023. The appointment will be at the assistant professor level. The department is seeking a candidate to be a contributor to our new major in computer science which is expected to begin in the fall 2023.

The department offers undergraduate majors in mathematics, financial mathematics, actuarial science, and is expanding the computer science minor into a major. At the graduate level we offer an MS degree in financial engineering. Baruch is one of the City University of New York's senior colleges, housing the Zicklin School of Business, the Weissman School of Arts and Sciences, and the Marxe School of Public and International Affairs. It has over 20,000 undergraduate and gradu-ate students in its three schools.

NOTES:
Until further notice, this is a hybrid position, eligible to work remotely and work on-site in the office. All CUNY employees must reside within a commutable distance to the tri-state area.

Candidates will be required to provide proof of being fully vaccinated against COVID-19 upon commencing employment. Exemption (medical or religious) requests to this requirement will be considered in accordance with applicable law. Being fully vaccinated is defined for this purpose as being at least two weeks past their final dose of an authorized COVID-19 vaccine regimen. Final candidates must be fully vaccinated as of their first day of employment.

Compensation and Benefits:
CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

Qualifications:
A Ph.D. in Computer Science or a related field is required, as well as strong undergraduate teaching skills and a demonstrated commitment to research. Preference may be given to candidates from practical subfields of computer science.

- How to Apply:
Go to the CUNY website cuny.jobs to see the complete position description and job requirements in CUNYfirst under Job Opening ID **#24806**. You can view and apply for this job in CUNYfirst via the following direct link to the posting **https://cuny.jobs/new-york-ny/assistant-professor-mathematics/043DD7E0ACCE48629FCE78D92750C021/job/**

All applications must be submitted online both at **Mathjobs.org** and at CUNYFirst. A complete application at **MathJobs.org** will include an AMS cover sheet, curriculum vitae includ-ing a list of publications, at least three letters of reference, one of which should address the candidate's teaching, short statements describing teaching philosophy and future research plans. In addi-tion, applicants should submit a narrative statement describing their commitment to working effectively with faculty, staff, and students in a multicultural/multiethnic urban campus environment with a substantial population of students who are among the first-generation of their family to at-tend a college or university.

The application at CUNYFirst will include candidate's curriculum vitae, answers to screening and self-identification questions, and an agreement to terms and conditions.

Emailed or hard copy applications will not be considered.

If you have any questions, please contact

http://www.baruch.cuny.edu/math/

Prof. Warren Gordon

Closing Date:
Review of resumes will begin on October 09, 2022; to ensure consideration, a complete application must be submitted by November 07, 2022.

EEO Statement:
CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

Baruch COLLEGE | CUNY

(See *https://www.asu.edu/aad/manuals/acd/acd401.html* and *https://www.asu.edu/titleIX/*.)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at *https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf*. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Baruch College

Computer Science Tenure Track Assistant Professor

Baruch College (part of the City University of New York, CUNY) has tenure-track openings for assistant professors commencing August 2023.

Baruch College lies at the heart of Manhattan. It is regularly ranked as the *country's top college for social mobility*, supporting promising students from disadvantaged backgrounds in their journey to middle class and beyond.

Since Baruch College was traditionally CUNY's business school, it did not include Computer Science. Our computer science major will start in August 2023. We now look for professors to join this new program, shape how computer science will look like at Baruch, the topics it will specialize in, and more.

We aim to start with a small major at a high technical level. The prerequisites for this major are among the highest at Baruch College. At the same time, we aim to have a diverse group of students, from a wide variety of backgrounds. We hope to also have a diverse CS faculty and encourage women and underrepresented minorities to apply.

Faculty are expected to be active researchers and encouraged to become members of *the CUNY Graduate Center*, where most of the research-related activity occurs (seminars, PhD students, etc.)

To ensure consideration, a complete application must be submitted by November 7th, 2022. For more information and application instructions, visit *https://www.mathjobs.org/jobs/list/20337*.

Berea College

Tenure-track Position in Computer Science

Berea College seeks applications for full-time, tenure-track opening in Computer Science. Candidates should demonstrate interest in the liberal arts, able to make connections with other disciplines, and interest in active-learning techniques in teaching. Applicants who have completed Ph.D. in C.S. or related fields by mid-August 2023 are given full consideration. Applicants with a Master's in C.S. or related fields and significant industry experience will be considered for a continuing faculty position. We welcome all subdomains, but specialists in cybersecurity, graphics and visualization, front-end design,

Baylor University

Assistant Professor to Associate Professor, Tenure track, Data Science

School of Engineering and Computer Science
Location: Waco, Texas
Open Date: Aug 04, 2022
Deadline: May 01, 2023 at 11:59 PM Eastern Time

Description:
The Department of Computer Science at Baylor University seeks qualified candidates for a tenure-track position with the rank of Assistant or Associate Professor in Data Science to start in the Fall 2023. Successful candidates will have a Ph.D. in Data Science, Computer Science, or a closely related field. The primary responsibilities are teaching courses in Data Science, developing an externally funded research program, and leading graduate and undergraduate students in research. The position offers a competitive salary and benefits, commensurate with experience and qualifications. Candidates with strong research background in all aspects of data sciences are encouraged to apply.

Computer Science is a fast-growing department within the School of Engineering and Computer Science. It offers B.S., M.S., and Ph.D. degrees in computer science, a B.S. in Informatics with a major in Data Science, a B.S. in Informatics with a major in Bioinformatics, as well as Cybersecurity and Software Engineering concentrations. The Department has 18 full-time faculty, over 350 undergraduate majors and 30 graduate students. Our faculty cover a broad range of research interests, including artificial intelligence, big data, bioinformatics, cybersecurity, data science, databases, distributed systems, fintech, human computer interaction, and software engineering. Interested candidates may contact any faculty member to ask questions and/or visit the departmental web site at **http://www.ecs.baylor.edu/computerscience**.

About Baylor University:
Located in Waco, Texas, Baylor University is the oldest college in Texas. With a population of 21,000 students, Baylor is one of the top universities in the nation, having just been named an R1 institution by the Carnegie Classification in 2022.
Baylor is also on the honor roll of the "Great Colleges to Work For" from The Chronicle of Higher Education; Baylor offers competitive salaries and benefits, while giving faculty and staff the chance to live in one of the fastest-growing parts of the state.
Our strategic plan, guides the University as we continue to live up to Baylor's Mission Statement of educating men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.

Appointment Date: August 1, 2023

Qualifications:
The successful candidate will posses a PhD in Data Science, Computer Science, or closely related field. Preference will be given to candidates with demonstrated experience in research activities, publications, and teaching excellence.

To apply, visit https://apptrkr.com/3373292

Applications, including a cover letter, curriculum vitae, and statements of research interests and teaching philosophy, a statement demonstrating an active Christian faith, and three supporting references should be submitted. Questions can be emailed to **CSSearch@baylor.edu.**

We strongly encourage applicants to apply as soon as material are ready. For full consideration, applications should be received by Dec 1, 2022. However, applications will be accepted until the position is filled.

EEO/M/F/Vets/Disabled

accessibility, and socially responsible computing are encouraged to apply.

Applicants from underrepresented groups in computing are especially encouraged to apply.

The full ad can be found at *https://tinyurl.com/59uk6zjt*

Bowdoin College

Assistant Professor of Computer Science, Tenure-Track

The Department of Computer Science at Bowdoin College invites applications for a tenure-track position at the rank of Assistant Professor to begin July 2023. We welcome applications from all areas of computer science, as well as areas that cross disciplinary boundaries.

Applicants should demonstrate a promise of successful long-term research, a strong commitment to undergraduate liberal arts education, and a dedication to inclusive excellence in their teaching. A Ph.D. in computer science is expected by the time of appointment.

Bowdoin College offers opportunities for professional development, a fully-funded, year-long pre-tenure sabbatical leave and regular, generously funded, post-tenure sabbaticals. The teaching load is two courses per semester.

To apply, please visit *https://careers.bowdoin.edu* to submit 1) a cover letter; 2) a curriculum vitae; 3) a 2-page statement that describes your teaching approaches and how your teaching, scholarship, and mentorship supports our commitment to equity and inclusion; 4) a 2-page description of your research plans; and 5) the names and contact information for three references who have agreed to provide letters of recommendation.

Review of applications will begin **October 22, 2022** and will continue until the position is filled.

Bowdoin College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination. Bowdoin warmly welcomes applicants of all backgrounds and especially encourages those from historically excluded groups to apply.

Full information about the position can be found at *https://careers.bowdoin.edu/postings/9978*.

Brandeis University

Tenure-track Assistant Professor, Data Intensive Systems

The Department of Computer Science at Brandeis University invites applications for a tenure-track assistant professor in Data Intensive Systems beginning Fall 2023. Particular attention will be given to candidates pursuing research in the broad area of large-scale databases and data processing, adaptive data systems, as well as systems for scalable data analytics.

Learn more at: *https://academicjobsonline.org/ajo/jobs/22704*

Bucknell University

Laboratory & Instructional Specialist

The Laboratory & Instructional Specialist at Bucknell University will support learning and instruction in computer science courses and laboratories. They will teach instructional labs and support student projects, may instruct introductory courses, and provide expertise across a broad swath of knowledge related to computer science. This position reports to the Chair of the Computer Science Department.

The anticipated start date is January 2023.

Minimum Qualifications:

- Master's degree in computer science or related discipline.
- Proficiency in Python, Java, and Unix systems programming in C.
- Familiarity with relational databases.
- Experience supporting undergraduate computing courses or laboratories.

For detailed position description, qualifications and to apply, please visit *https://jobs.bucknell.edu/en-us/job/497090/laboratory-instructional-specialist-computer-science*

Calvin University

Tenure-Track Faculty Positions in Computer and Data Science

The *Department of Computer Science* at *Calvin University* invites applications for two tenure-track faculty positions in computer science or data science to begin August 2023. We are especially interested in further developing our expertise in the areas of data science and machine learning, but individuals from all computing-related areas are encouraged to apply.

Find more information and the application form on *this WorkDay job listing*.

Colgate University

TS Assistant Professor of Computer Science

The Department of Computer Science at Colgate University invites applications for two tenure-stream positions at the rank of Assistant Professor, beginning fall semester 2023. A Ph.D. in computer science or a related field is required at the time of appointment or shortly after the date of hire.

We encourage candidates from all areas of computer science to apply. We welcome applications from individuals who are passionate about research, with a strong record of scholarly work and a promising trajectory of future research. In addition, successful applicants are expected to demonstrate the potential for excellence in teaching at the undergraduate level. We seek candidates with an interest and ability to teach required courses in our curriculum and elective courses in computer science.

We encourage applications from candidates with cross-disciplinary expertise related to initiatives in Colgate's Third-Century Plan, such as the Robert H. N. Ho Mind, Brain, and Behavior Initiative or the Middle Campus Plan for Arts, Creativity, and Innovation. The Benton Center, the inaugural project of the Middle Campus initiative, will be the new home of the computer science department and faculty.

Teaching responsibilities for each semester consist of two course sections plus one or two labs (for a total of three labs over the academic year). Successful candidates will be productive scholars and teach courses in their areas of expertise, departmental courses, and the Liberal Arts Core Curriculum. Applicants that complement and broaden the department program – through teaching, research or service – are preferred.

Review of applications will begin on October 15th, 2022. Applications will continue to be accepted after this date until the position is filled.

Applications, which can be submitted at *https://academicjobsonline.org/ajo/jobs/22748*, must include a cover letter, curriculum vitae, teaching statement, research statement, diversity and inclusion statement, and the names of three writers of letters of recommendation. Candidates should include in their teaching statement courses they are interested in teaching. At least one of the letters of reference should speak to the candidate's promise as a teacher. Colgate strives to be a community supportive of diverse perspectives and identities and to make all students feel welcome, respected, and fully included in the classroom. Candidates should describe in the diversity and inclusion statement how their approach to teaching, scholarship and/or mentorship might help us achieve this goal.

Colgate University is a vibrant liberal arts college of 3200 undergraduate students situated in a picturesque village in central New York. The department offers a strong and diverse student body and state-of-the art teaching and research facilities, and the university is committed to promoting excellence in both teaching and research. Faculty members have access to funding for travel, research supplies, and academic-year and summer student researchers. For more information about the department and the position, please visit our website.

It is the policy of Colgate University not to discriminate against any employee or applicant for employment on the basis of their race, color, creed, religion, age, sex, pregnancy, national origin, marital status, disability, protected Veterans status, sexual orientation, gender identity or expression, being or having been victims of domestic violence and stalking, familial status, or any other categories covered by law. Colgate is an Equal Opportunity/ Affirmative Action employer. Candidates from historically underrepresented groups, women, persons with disabilities, and protected veterans are encouraged to apply. We welcome dual-position applications; in this case, each candidate should submit a separate application. Applicants with dual-career considerations can find postings of employment opportunities at Colgate and at other institutions of higher education in upstate New York at *http://www.upstatenyherc.org*. Disclosure of dual-career considerations is entirely at the discretion of the applicants.

Applicants with questions are encouraged to contact the search committee chair, Michael Hay, at *mhay@colgate.edu*.

Professional Opportunities

College of Charleston

Tenure-track Assistant Professor of Computer Science

The Computer Science Department at the College of Charleston (*http://cs.cofc.edu*) invites applications for a tenure-track Assistant Professor position starting January or August 2023.

Preference for this position will be given to candidates with expertise in distributed systems, computer architecture, and algorithms.

The successful applicant will demonstrate excellent communication skills, collegiality, and a passion for teaching. For an assistant professor appointment, the successful candidate must demonstrate promise to maintain an active research program and mentor undergraduate and graduate students. Candidates with expertise in all areas of computer science are sought to support our undergraduate and graduate programs in Computer Science, Computing in the Arts, Computer Information Systems, Data Science, and Software Engineering. An earned Ph.D. degree in Computer Science or closely related field is required before the start date.

The College of Charleston / University of Charleston is a nationally recognized public liberal arts and sciences university located in the heart of historic Charleston, SC. Since our founding in 1770, we have maintained a strong liberal arts curriculum. The university encompasses the unusual combination of an exceptional faculty, historic campus, coastal location, modern facilities and cutting-edge programs. The student body numbers approximately 12,000 in undergraduate and graduate programs combined.

Apply at: *https://jobs.cofc.edu/postings/12533*

College of the Holy Cross

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time tenure-track appointment in computer science beginning August 2023. All research specialties will be considered. This position carries a 3-2 teaching load with a full-salary one-semester research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. Candidates must demonstrate commitment to, and excellence in, undergraduate teaching as well as scholarly achievement. A Ph.D. in computer science or a closely related field is required.

The College of the Holy Cross uses Interfolio to collect job applications electronically. Please submit all application materials (cover letter, curriculum vitae, statements on research, teaching, and diversity, transcripts, and three confidential letters of recommendation) to *https://apply.interfolio.com/111756*.

The College, a highly selective Catholic liberal arts college in the Jesuit tradition, values dialogue among people from diverse perspectives as integral to the mission and essential to the excellence of our academic program and is an Equal Employment Opportunity Employer.

Application review will begin on October 21, 2022 and continue until the position has been filled. Initial interviews of selected applicants will take place shortly after this date. Questions may be directed to Professor Zack Fitzsimmons, *zfitzsim@holycross.edu*.

Colorado College

Assistant Professor, Mathematics & Computer Science

The Department of Mathematics and Computer Science at Colorado College invites applications for a tenure-track position at the Assistant Professor level to begin in August of 2023. We seek a computer scientist with broad teaching interests who can teach introductory as well as advanced computer science courses to a diverse community of undergraduate students. We encourage candidates from all areas of computer science to apply. The candidate should be able to maintain an active research program that can engage undergraduate students and will be expected to contribute to the department and the college through service.

Colorado College is a nationally recognized, residential liberal arts college with about 2,200 students. Strong candidates should share the college's and department's deep commitment to antiracism (Antiracism at CC) and be committed to the principles of antiracism, diversity, equity and inclusion (ADEI) in all facets of life at the college. One distinguishing feature of Colorado College is its Block Plan, in which professors

teach, and students take, one course at a time. Professors teach six of the eight blocks in an academic year, including one block of supervising capstone projects.

Applications completed by October 21, 2022 will receive full consideration.

The full job ad and application instructions can be found at *https://employment.coloradocollege.edu/postings/6352*

Colorado College is an equal opportunity employer committed to increasing the diversity of its community. We do not discriminate on the basis of race, color, national origin, gender, age, religion, gender identity or expression, disability, or sexual orientation in our educational programs and activities or our employment practices.

Colorado School of Mines

Multiple Open Rank Tenured/Tenure-Track Faculty Positions

The Department of Computer Science at the Colorado School of Mines (Mines) invites applications for multiple open rank tenured/tenure-track faculty positions in Computer Science (applications considered at the assistant, associate, and full professor levels), anticipated to begin in August 2023. While all qualified candidates are encouraged to apply, the department is especially interested in candidates with research specialization in one or more of the following broadly defined areas: Machine Learning and AI (e.g., Machine Learning, Big Data Computing, Computer Vision, Bioinformatics), Cybersecurity (e.g., System Security, Privacy, Applied Cryptography), Robotics (e.g., Robot Perception, Learning, and Autonomy), and Systems (e.g., Networked systems, High-Performance Computing, Computer Architecture, Quantum Computing, Embedded Systems).

The CS faculty tend to work collaboratively (with researchers from both within the department and outside), with several faculty involved in Mines interdisciplinary programs in Quantum Engineering, Data Science, Quantitative Biosciences and Engineering, Operations Research with Engineering, and Robotics. As such, successful candidates are expected to interact with researchers both within the department and across the Mines campus and are encouraged to be involved with our interdisciplinary programs. The CS department has strengths in multiple areas including robotics, high-performance computing, networks, machine learning, and cybersecurity. More information about the university and the CS Department can be found at *http://mines.edu* and *http://cs.mines.edu*. For any questions, please contact *cs@mines.edu*.

Colorado School of Mines, Colorado's oldest public university, premier engineering university, and an R1 institution, is located in Golden, Colorado: a historic gold rush-era town nestled in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines is consistently ranked among the top engineering colleges in the United States and ranks number one as the best public school in the state for best value colleges. Mines has about 5500 undergraduate students and 1550 graduate students in a broad range of applied science and engineering disciplines. Mines maintains high-quality, well-funded research programs (~$94M in awards for fiscal year 2022) with strong participation from both graduate and undergraduate students. The 2022 edition of U.S. News and World Report's America's Best National Universities ranks Mines as the top-ranked university in Colorado, and 33th in the category of Top Public Schools. In addition, in the most recent ranking of Computer Science Programs in the U.S., CS@Mines was ranked in the top 5%. In 2016, Mines was ranked 2nd in America by the Wall Street Journal for combining Scholarly Research and Classroom Instruction and in 2022 Mines was ranked 3rd on the list of best engineering colleges by Money Magazine. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S. The School's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs (including NREL, NIST, NCAR, and NOA), industry, and other universities.

For more information and to apply for the position, please go to *https://jobs.mines.edu/cw/en-us/job/495868/tenuredtenure-track-faculty-in-computer-science*.

Review of applications will begin on October 31, 2022. For full consideration, please apply by December 15th, 2022.

Please contact Hua Wang at *huawang@mines.edu* with any questions.

Professional Opportunities

Colorado School of Mines

Multiple Teaching Faculty Positions

The Department of Computer Science at Colorado School of Mines (Mines) is looking to hire multiple Teaching Assistant Professors (exceptional candidates may be considered at the level of Teaching Associate Professor) and Professors of Practice that have a clear passion for conveying knowledge to novice software professionals. We are looking for superb teachers who inspire students and will advance the University's commitment to diversity. Each successful candidate must be able to teach one or multiple core computer science courses (including, but not limited to: Introduction to CS, Software Engineering, Discrete Math, Computer Organization, Programming Languages) and preferably teach additional elective courses (including, but not limited to: Web Development, Computer Vision, AR/VR). Candidates should also plan to support departmental recruiting efforts, coordinate multi-section courses (including supervision and training of adjunct professors and teaching assistants), and participate in curriculum innovations and improvements.

The CS department has strengths in multiple areas including robotics, high-performance computing, networks, machine learning, and cybersecurity. Colorado School of Mines, Colorado's oldest public university, premier engineering university, and an R1 institution, is located in Golden, Colorado: a historic gold rush-era town nestled in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines is consistently ranked among the top engineering colleges in the United States and ranks number one as the best public school in the state for best value colleges. Mines has about 5500 undergraduate students and 1550 graduate students in a broad range of applied science and engineering disciplines. The 2022 edition of U.S. News and World Report's America's Best National Universities ranks Mines as the top-ranked university in Colorado, and 33th in the category of Top Public Schools. In addition, in the most recent ranking of Computer Science Programs in the U.S., CS@Mines was ranked in the top 5%. In 2016, Mines was ranked 2nd in America by the Wall Street Journal for combining Scholarly Research and Classroom Instruction and in 2022 Mines was ranked 3rd on the list of best engineering colleges by Money Magazine. Mines has the highest admissions standards of any public university in Colorado and among the highest of any public university in the U.S.

For more information and to apply for the position, please go to. *https://jobs.mines.edu/cw/en-us/job/495894?lApplicationSubSourceID=*.

Applications will be reviewed on an ongoing basis and accepted until the positions are filled with priority given to those submitted by October 15, 2022.

Please contact Wendy Fisher or Jeff Paone at *wfisher@mines.edu*, *jpaone@mines.edu* with any questions.

Colorado State University

Assistant/Associate Professor (Faculty) - Computer Engineering

The Department of Electrical and Computer Engineering at Colorado State University, Fort Collins, invites applications and nominations for a tenure track faculty position at the assistant or associate level to start in Fall 2023. Research areas of particular interest include any area within the field of computer engineering. This is a nine-month, full-time position.

New faculty members will be expected to teach undergraduate and graduate courses in computer engineering; advise graduate and undergraduate students; conduct innovative research; and provide service to the department, the university, and the professional community.

A successful candidate will have a doctorate in electrical engineering, computer engineering, computer science, or related discipline, by the start date of the position; the potential to develop a vibrant sponsored research program; the ability to effectively teach at the graduate and undergraduate levels; and the interest to serve the department, university, and professional community.

Please apply by using the following link:

https://jobs.colostate.edu/postings/111355

Professional Opportunities

Cornell Bowers CIS
Information Science

CORNELL TECH | HOME OF THE JACOBS TECHNION-CORNELL INSTITUTE

Cornell Information Science is Hiring!

TENURE-TRACK AND TENURED FACULTY
Cornell Tech campus, NYC

Welcoming applicants specializing in all areas and those specializing in...

Ethics, Law, and Policy

TO APPLY, VISIT
academicjobsonline.org/ajo/jobs/22773

Application deadline: December 1, 2022
Questions? fac_recruit@infosci.cornell.edu

Cornell Bowers CIS
Information Science

Cornell Information Science is Hiring!

TENURE-TRACK AND TENURED FACULTY
Ithaca, NY campus

Welcoming applicants specializing in all areas and those specializing in...

Ethics, Law, and Policy

TO APPLY, VISIT
academicjobsonline.org/ajo/jobs/22769

Application deadline: December 1, 2022
Questions? fac_recruit@infosci.cornell.edu

Cornell Tech

Siegel PiTech Faculty Impact Fellow

The Siegel Family Endowment PiTech Faculty Impact Fellowship supports U.S.-based computer science and engineering faculty seeking to pursue a public interest technology venture or initiative during their sabbatical/leave.

Successful fellowship projects will explore innovative ideas for directly applying technology in the service of public interest or pursue efforts aimed at furthering public interest technology goals.

For more information and to apply, visit our website: *https://www.pi.tech.cornell.edu/pitech-faculty-impact-fellowship*

Application Deadline:

November 30th 5PM EST

Fellowship term:

6-12 months with flexible start date

Application:

- Completed online application
- CV and three professional references
- 1–2-page opportunity statement detailing proposed project(s) and applicant intentions

Fellowship support:

- Annual, half-time rate compensation of $90,000 (not meant to reflect current salary)
- Project budget of $5,000

Submitted applications are reviewed on a rolling basis by the PiTech team. Finalists will be invited to interview. One Faculty Fellow is selected annually.

Cornell University

Lecturer Position - Computer Science

The Cornell University Department of Computer Science (CS) in the Cornell Ann S. Bowers College of Computing and Information Science (Cornell Bowers CIS) invites applications from outstanding candidates with a passion for undergraduate teaching for a Lecturer position at Cornell's Ithaca campus. Lecturers are non-tenure track teaching faculty members who are hired on multi-year appointments with the expectation of renewal and promotion.

Candidates for the position should hold a PhD in a computing-related field, have demonstrated commitment to teaching excellence and innovation, and be dedicated to fostering a diverse, equitable, and inclusive environment. We are seeking candidates who can teach large lower- and upper-level undergraduate and master's level courses across a range of computer science subfields.

A typical full-time (100% effort) load for a Lecturer in Computer Science is two courses per semester, where teaching and managing the course staff of large required undergraduate level courses counts as two courses. The department offers a collaborative and stimulating culture and a competitive salary and benefits package. Lecturers play a full and active part in departmental life and work with other faculty members and our excellent students in a broad range of ways, such as teaching upper-level courses, curriculum design and innovation, advising undergraduate and M.Eng. student projects, mentoring Ph.D. students interested in teaching careers, and participating in wider faculty governance and decision-making.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating " … *any person … in any study*…", we seek candidates who will create a climate that is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See *http://facultydevelopment.cornell.edu/information-for-faculty-candidates/* for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see *https://cis.cornell.edu/diversity* for some CIS activities in this area.

Cornell University is located in Ithaca, New York, with a county population of about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

Interested applicants should submit a cover letter, curriculum vitae, a diversity statement, and a teaching statement speaking to experience, skills, distinct strengths, and evidence of past teaching success and ability and make arrangements for three letters of reference speaking to the candidates teaching skills and abilities to be submitted electronically.

Application materials should be submitted at: *https://academicjobsonline.org/ajo/jobs/22558*

Evaluation of applicants will begin October 15, 2022 and continue until the positions are filled.

For more information about Cornell Computer Science, please visit our website at *https://www.cs.cornell.edu*. More information on our current undergraduate programs and course offerings is available at: *http://www.cs.cornell.edu/undergrad*.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

Cornell University, Cornell Tech

Tenured and Tenure-track Faculty

The Cornell University Department of Computer Science (CS) in the Cornell Bowers CIS College of Computing and Information Science has tenure track and tenured faculty positions available at the Cornell Tech campus in New York City. Cornell CS is ranked among the top computer science departments in the country. Applications are welcome from all areas of computer science and related fields. We especially welcome applicants whose scholarship and service further the department's goals around diversity and inclusion.

Faculty hired in these positions at Cornell Tech will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses, but their teaching and research will be based in New York City. This search also includes Cornell faculty positions that are part of the Jacobs Technion-Cornell Institute at Cornell Tech. A separate application is needed to be considered for a Computer Science position at the Ithaca campus; please visit the website ***http://www.cs.cornell.edu/information/jobpostings*** for further information about the Ithaca application process.

Cornell Tech is a graduate campus of Cornell University located on Roosevelt Island in New York City. It includes the Jacobs Technion-Cornell Institute, a joint academic venture between Cornell and the Technion – Israel Institute of Technology. Cornell Tech's academic environment encourages tight integration across disciplines in technology, business, law, and design, couples fundamental research with practice, and supports societal and commercial ventures alongside research and education. In addition to world-class academic work, a distinguishing characteristic of our research is that it engages deeply with external communities, organizations, and industry to address real-world problems and contexts that amplify the direct societal and commercial impact of our research. Hubs in Health Tech, Urban Tech, and Public Interest Tech exemplify this approach, bringing together researchers, practitioners and communities to collaborate.

Tenured and tenure-track faculty must hold the equivalent of a Ph.D. Applicants must have demonstrated an ability to conduct outstanding research, and should have a strong commitment to engagement outside of academia in ways that foster significant commercial or societal impact, as aligned with the mission of the Cornell Tech campus. Successful candidates are expected to pursue an active research program, to teach Masters and Ph.D.-level graduate courses, and to supervise graduate students.

To ensure full consideration, applications should be received by December 1, 2022, but will be accepted until all positions are filled.

Fostering an inclusive environment is a core value of the Computer Science Department, Cornell Tech, and Cornell as a whole. In line with Cornell's historical commitment to educating ***"... any person ... in any study..."***, we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. We strongly encourage women and underrepresented minorities to apply. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See ***http://facultydevelopment.cornell.edu/information-for-faculty-candidates/*** for the university's commitment to diversity, equity, and inclusion, including suggestions for what we are looking for in such statements, and see ***https://www.tech.cornell.edu/impact/diversity-inclusion/*** for some Cornell Tech activities in this area.

Applicants should submit a curriculum vitae, a diversity statement, and statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted. A distinguishing characteristic of research at Cornell Tech, in addition to world-class academic work, is that it engages deeply with external communities, organizations, K-12 education, and industry to address real-world problems and contexts that amplify the direct commercial and societal impact of our research. Accordingly, within a clearly identified subsection of the Research Statement, the candidate should address prior accomplishments and future plans related to the commercial and/or broader public engagement and societal impact dimensions of their research.

The above application information should be submitted online at: *https://academicjobsonline.org/ajo/jobs/22359*.

Inquiries about your application may be directed to *frecruit@cs.cornell.edu*.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

Cornell University

Tenured/Tenure-Track Faculty-Computer Science

The Cornell University Department of Computer Science (CS) in the Cornell Bowers CIS College of Computing and Information Science has multiple faculty positions available at its Ithaca campus (tenured and tenure-track). CS is ranked among the top computer science departments in the country (*http://www.cs.cornell.edu/*). Ithaca, NY is in the heart of the Finger Lakes region, which offers a vibrant cultural life and a wide range of sporting and outdoor activities with the pleasures of both city and country close at hand.

Applications from all areas of computer science and related fields are welcome.

Faculty hired in these positions will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses, but their teaching and research will be based in Ithaca. A separate application is needed to be considered for a Computer Science position at the New York City campus; please visit the website *https://www.cs.cornell.edu/information/jobpostings/facultypositionsnyctech* for further information about the New York City application process.

Tenured and tenure-track faculty must hold the equivalent of a Ph.D. Applicants must have demonstrated an ability to conduct outstanding research. Successful candidates are expected to pursue an active research program, to teach graduate and undergraduate courses, and to supervise graduate students.

To ensure full consideration, applications should be received by December 1, 2022, but applications will be accepted until all positions are filled.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating "*... any person ... in any study...*", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. We strongly encourage women and underrepresented minorities to apply. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See *http://facultydevelopment.cornell.edu/information-for-faculty-candidates/* for the university's commitment to diversity, equity, and inclusion, including suggestions for what we are looking for in such statements, and see *https://cis.cornell.edu/diversity* for some CIS activities in this area.

Applicants should submit a curriculum vitae, a diversity statement, and brief statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: *https://academicjobsonline.org/ajo/jobs/22330*

Inquiries about your application may be directed to *frecruit@cs.cornell.edu*

Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations. Cornell University is an innovative Ivy League university and a great place to work. Our inclusive

community of scholars, students, and staff impart an uncommon sense of larger purpose, and contribute creative ideas to further the university's mission of teaching, discovery, and engagement.

Dartmouth College

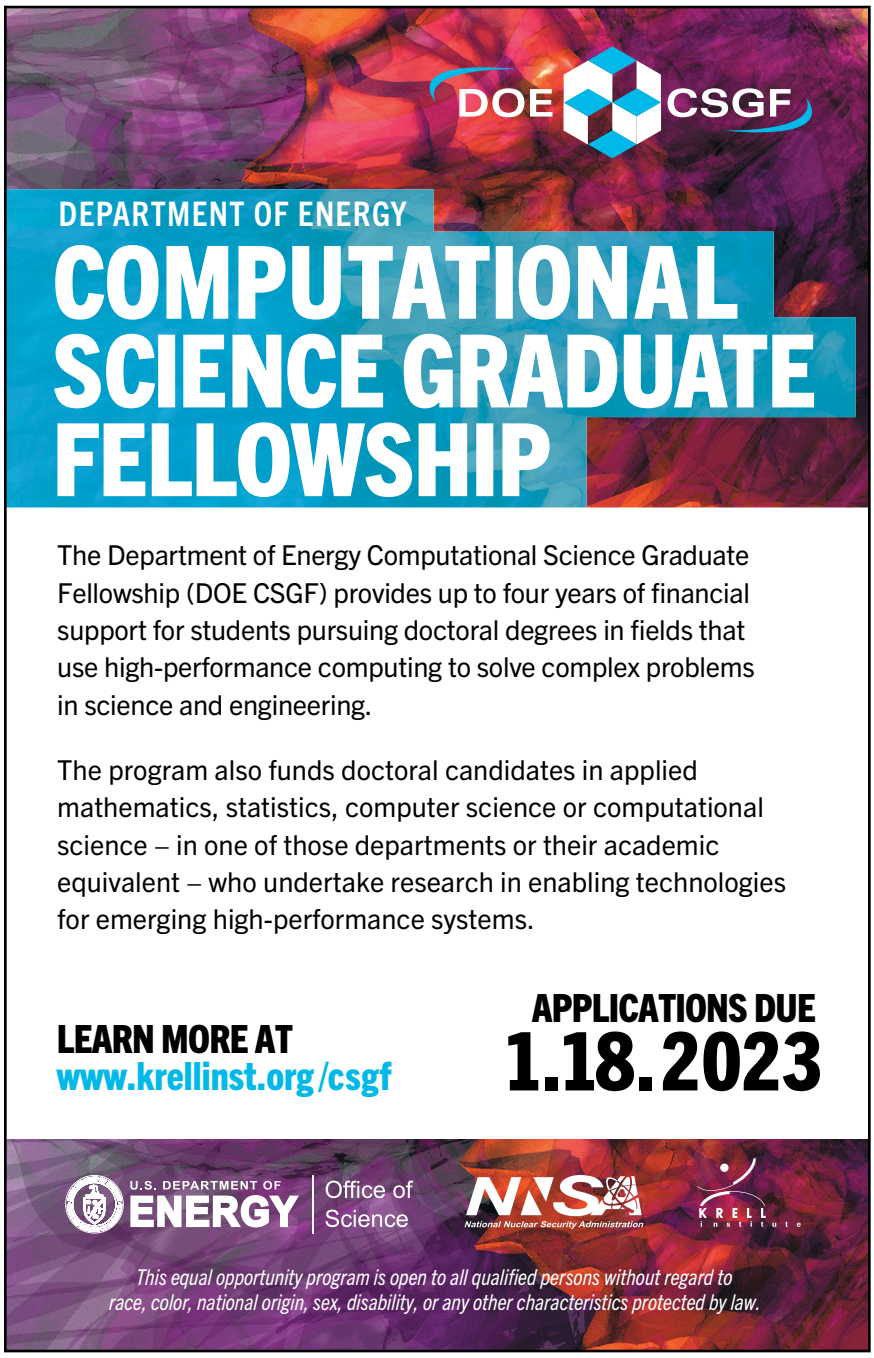
Neukom Fellows: Call for Applications

The Neukom Institute for Computational Science at Dartmouth College is pleased to announce the Neukom Postdoctoral Fellows competition for positions starting September 1, 2023.

Fellows are interdisciplinary positions for recent Ph.D.s, DMAs, or MFAs with research interests cutting across traditional disciplinary boundaries. The successful candidate should have a history of collaborative work across disciplines. Ph.D. in any discipline expected September 2023. Two year appointments.

Neukom Fellows will be mentored by faculty in two departments at Dartmouth College, take up residence in one department, and will teach one seminar course each year on a subject of their interest. Stipends are $65,000. Additional funds are available for equipment, travel, and research materials.

Applications must be submitted here: *https://academicjobsonline.org/ajo/jobs/22078*



Drake University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Drake University is thrilled to launch a search for an Assistant Professor of Computer Science beginning in Fall 2023. We are in search of a new colleague who is dedicated to teaching, interested in collaboration, and eager to contribute to the growth and further evolution of the department.

Drake University is a private, not-for-profit institution located in the beautiful, mid-size city of Des Moines, Iowa. Drake is an Equal Opportunity Employer and is committed to cultivating a learning and working environment of inclusive excellence.

A Ph.D., or near completion, in Computer Science or a related area is required. Additional details on the position, application process, and Drake University can be found at: *https://www.drake.edu/hr/*.

Complete applications submitted on or before October 15, 2022, will be given full consideration.

Embry-Riddle Aeronautical University

Tenure-Track Assistant Professor in Cybersecurity

The Department of Security Studies and International Affairs (SSIA) at Embry-Riddle Aeronautical University, Daytona Beach, FL, invites candidates to apply for a tenure-track Assistant Professor position in cybersecurity. The successful candidate will contribute to SSIA's Homeland Security and Intelligence program through teaching, service, and research. The position is available as early as January 2023.

Qualifications:

- An earned doctorate in Cybersecurity or a cybersecurity-related discipline such as Computer Science, Information Technology, Intelligence Studies or related fields.
- Knowledge of technical, as well as policy and procedural, aspects of cybersecurity.
- A record of academic publishing or demonstrated progress toward publication.
- A record of successful teaching.

For more information and to apply online, please visit *https://embryriddle.wd1.myworkdayjobs.com/External/job/Daytona-Beach-FL/Tenure-Track-Assistant-Professor-in-Cybersecurity_R304249*.

Emory University

Assistant, Associate, or Full Professor - Statistics

The Department of Quantitative Theory & Methods at Emory University invites applications for a tenured or tenure-track faculty member with a specialization in statistics or related empirical field to begin fall 2023. We are open to the academic discipline, which could be computer science, economics, operations research, political science, public health, public policy, sociology, statistics, or a related field.

The successful applicant will be an exceptional, active researcher with strong interdisciplinary experience. They will teach courses in statistics and its applications at both the undergraduate and graduate levels. The position is fully funded 9-month tenure-track, and open with respect to rank. The teaching load is competitive. A Ph.D. is required by time of appointment.

QTM is a new and rapidly growing interdisciplinary department at Emory with faculty from a variety of disciplinary backgrounds including biology, computer science, economics, English, operations research, political science, public health, sociology, and statistics. The successful candidate must demonstrate excellence (or the promise of excellence) in research and teaching, as well as a strong ability to teach and mentor a diverse student body. The successful candidate will also demonstrate an interest in contributing to QTM's intellectual mission.

For a full list of ECAS faculty responsibilities, see: *http://college.emory.edu/faculty/documents/faculty/faculty-responsibilities.pdf*

For every search, diversifying our faculty is of primary importance. Emory has a diverse student body and values both vision and experience that will foster an inclusive learning environment. All faculty applicants will be required to complete a brief statement describing their experience and vision regarding the teaching and mentorship of students of diverse backgrounds. In addition to this statement, a complete application will also consist of a cover letter, curriculum vitae, research statement, teaching portfolio, writing sample, graduate transcript, and three letters of recommendation.

Review begins October 30, 2022. Applications received by November 28, 2022 will receive full consideration.

To apply for this position, please visit *https://apply.interfolio.com/113254* and submit your materials free of charge through Interfolio.

Emory University is an equal employment opportunity and affirmative action employer. Women, minorities, people with disabilities and veterans are strongly encouraged to apply.

Computer Science Faculty Positions: All Ranks
EMORY UNIVERSITY
Atlanta, Georgia

The Department of Computer Science at Emory University is advancing research and education at the frontiers of AI and computing and seeks to recruit outstanding colleagues at all ranks.

Emory CS is a vibrant research and teaching department that has grown three-fold since 2018 and intends to build on this momentum. Our faculty are renowned for their scholarship in machine learning, information retrieval, natural language processing, health informatics, human-centered computing, data privacy, high-end systems, and related areas. CS faculty collaborate extensively across multiple disciplines, including health, humanities, social, and natural sciences, to explore computational approaches to advancing society. Our faculty are passionate about research, teaching, and social responsibility and are fully supported by the University via significant mentoring, world-class facilities, and substantial resources. The Department is committed to world impact through CS scholarship, prides itself on a family-friendly dual-career environment, and engages deeply with industry, alumni, and the community. Broadening participation in computing is a key principle, and we especially encourage applications from women and members of underserved groups. For additional information about the department, please see http://www.cs.emory.edu/

CS is central to Emory's AI.Humanity initiative https://aihumanity.emory.edu/ that brings together disciplines from across the university to better human health, generate economic value, and promote social justice. AI.Humanity exemplifies the remarkable collegial spirit that makes Emory a leader in collaborative interdisciplinary endeavors while advancing knowledge in fundamental and applied domains. The university is highly ranked for outstanding research and education as well as among America's *Best Employers for Women* and *Best Employers for Diversity,* and fosters a culture of excellence, inclusivity, and cooperation. The campus is an integral part of the energetic Atlanta, Georgia, metropolitan area, offering a variety of cultural, social, and recreational opportunities, a mild climate, and unmatched accessibility.

Applications for Tenure-Track/Tenured Positions are invited from candidates with exceptional research, teaching, and citizenship profiles, for appointment as tenure-track *Assistant Professor*, or as tenured *Associate/Full Professor.*

Applicants must have a Ph.D. in Computer Science or a closely related field. Research areas of particular interest include (1) *AI and Machine Learning* (including natural language processing, computer vision and understanding, AI-Human interaction, fairness, and policy); (2) *Data Management* (privacy/security, knowledge mining, data analytics, and visual computing); and (3) *Cross-Cutting Areas* (e.g., social impact/ human-centered computing, sustainable computing, and HPC/Quantum Systems). We especially welcome candidates who connect to strengths in CS and the health, humanities, social, and natural sciences.

Applications must be submitted using the following link: apply.interfolio.com/113254/
Applications should comprise a cover letter, C.V., research statement, teaching statement, and three letters of recommendation. In a separate statement, please outline your interests in enhancing diversity, equity, and inclusion. Informal inquiries are welcome via email to the department chair at vss@emory.edu. Review of applications will begin on December 1, 2022. Full consideration will be given to applications received up to at least 30 days after review begins until the position is filled.

Emory University is an equal employment opportunity and affirmative action employer. Women, minorities, people with disabilities, and veterans are strongly encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion.

Professional Opportunities

Florida Gulf Coast University

Assistant/Associate Professor, Computer Science or Software Engineering (R0003081)

The Department of Computing and Software Engineering in the U.A. Whitaker College of Engineering seeks candidates to help meet the strong demand for graduates to work in computer science, software applications, cybersecurity and other computationally based industries as we expand degree programs and collaborate with faculty in disciplines such as computer and information sciences, mathematics, statistics, bioinformatics, computational chemistry and others. These positions will have opportunities to collaborate with faculty hired under the computing and data science cluster. The department currently houses an ABET-accredited program in Software Engineering. Undergraduate and graduate programs in Computer Science are anticipated to be offered in Fall 2024. We are currently seeking three professors at the Assistant/Associate rank, each possessing a Ph.D. in software engineering, computer science, computer engineering or closely related field.

For more information and to apply visit: *https://www.fgcu.edu/hr/jobs-at-fgcu*

FGCU is an EOE AA M/F/Vet/Disability Employer

Florida Gulf Coast University

Assistant/Associate/Full Professor, Computing and Data Science (R0003155)

Cluster Hire: Faculty positions in computing and data science at Florida Gulf Coast University

Florida Gulf Coast University (FGCU) seeks candidates for four positions with expertise in cross-disciplinary curricula and research.

1. Cybersecurity (CCDS-01)
2. Data Analytics and FinTech (CCDS-02)
3. Computational Statistics (CCDS-04)
4. Hydroinformatics (CCDS-05)

For more information and to apply visit: *https://www.fgcu.edu/hr/jobs-at-fgcu*

FGCU is an EOE AA M/F/Vet/Disability Employer

Fort Hays State University

Assistant Professor - Computer Science

The Department of Computer Science is seeking applicants for a nine-month, tenure-track faculty position to start Fall 2023. Twelve-hour teaching load per semester of undergraduate and graduate classes. Classes include face-to-face as well as online delivery.

Minimum Qualifications: Ph.D. in computer science or a closely related field from a regionally accredited institution (ABD will be considered)

To apply for this position, please visit *https://fhsu.wd1.myworkdayjobs.com/CAREERS*.

Only electronic applications submitted through the webpage will be accepted.

Georgia Southwestern State University

Assistant / Associate Professor, Computer Science

For more information and to apply: *https://careers.hprod.onehcm.usg.edu/psp/careers/CAREERS/HRMS/c/HRS_HRAM_FL.HRS_CG_SEARCH_FL.GBL?Page=HRS_APP_JBPST_FL&Action=U&FOCUS=Applicant&SiteId=42000&JobOpeningId=247521&PostingSeq=1*

Grinnell College

Assistant Professor of Computer Science - Tenure-Track Position (Start Fall 2023)

GRINNELL COLLEGE. The Department of Computer Science invites applications for a tenure-track appointment beginning Fall 2023. Assistant Professor (Ph.D.) preferred; Instructor (ABD) or Associate Professor possible. The Department will prioritize candidates interested in teaching systems [and/or software engineering] courses, but we are eager to consider candidates who conduct research in any area of Computer Science. Candidates with degrees in closely related fields will also be considered. Candidates are expected to describe the ways they can support and engage with students and colleagues from historically underrepresented or marginalized groups.

Grinnell College is a highly selective, undergraduate liberal arts college with a

strong tradition of social responsibility. In letters of application, candidates should discuss their potential to contribute to a college community that maintains a diversity of people and perspectives as one of its core values.

To be assured of full consideration, all application materials should be received by October 16, 2022.

Please visit our application website at *https://jobs.grinnell.edu* and the Department website at *https://www.cs.grinnell.edu* to find more details about the job and submit applications online. Candidates will need to upload a letter of application, curriculum vitae, undergraduate and graduate transcripts (copies are acceptable), a research statement, a statement of teaching philosophy, and a statement describing how the candidate can support diversity in the department, College, and discipline. Candidates must also provide email addresses for three references. Questions about this search should be directed to the search chair, Peter-Michael Osera, at *CSSearch@grinnell.edu* or 641-269-3169.

Grinnell College is committed to establishing and maintaining a safe and nondiscriminatory educational environment for all College community members. It is committed to a policy of nondiscrimination in matters of admission, employment, and housing, and in access to and participation in its education programs, services, and activities. The College does not discriminate on the basis of race, color, ethnicity, national origin, age, sex, gender, sexual orientation, gender identity or expression, marital status, veteran status, pregnancy, childbirth, religion, disability, creed, or any other protected class.

An offer for this position will be contingent on successful completion of a background check.

Hampden-Sydney College

Visiting Assistant Professor of Computer Science, Lecturer in Computer Science

The Department of Mathematics and Computer Science at Hampden-Sydney College invites applications for a Visiting Assistant Professor of Computer Science position (*http://apply.interfolio.com/112763*) and a Lecturer of Computer Science position, (*http://apply.interfolio.com/112762*) both for Spring 2023.

Hampden-Sydney College

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Hampden-Sydney College invites applications for an Assistant Professor of Computer Science position (*http://apply.interfolio.com/112757*) to begin in Fall 2023.

Harvey Mudd College

Assistant Professor of Computer Science

The Computer Science Department at Harvey Mudd College (HMC) has multiple tenure-track openings for assistant professors commencing July 1, 2023. (Exceptional candidates at higher ranks are also welcome to apply.) Candidates in all areas of computer science will be considered; candidates demonstrating interest and potential for teaching courses in the area of computer systems are especially encouraged to apply.

Harvey Mudd College is a highly selective liberal arts college of science, engineering and mathematics. It is located in Claremont, CA, which is approximately 35 miles east of Los Angeles, at the foot of the San Gabriel Mountains. The college enrolls about 900 students, nearly all living on campus, and is a member of the Claremont Colleges, which comprises five undergraduate colleges, the Claremont Graduate University, and the Keck Graduate Institute of Applied Life Sciences.

The Computer Science Department currently has fifteen tenure-track faculty members. Currently, it serves three major programs—the computer science major, the joint major in computer science and mathematics, and the joint major in mathematical and computational biology—totaling more than 120 students in each graduating class. By Fall 2023, the department expects to serve two additional major programs—a new joint major in computer science and physics and a new joint climate and computer science major. The teaching load is two courses per semester, plus supervision of one or two industry-supported senior capstone Computer Science Clinic projects per year.

Among the department's strengths are its success in recruiting women (who comprise about half of both our faculty and our majors) to computer science, an innovative and rigorous curriculum that prepares students for both employment and graduate school, and an active research program that involves a substantial number of undergraduates.

The department is looking for candidates also willing to be involved with the college-wide Core Curriculum, which includes a first-year course in writing, as well as a course centered on the relationship between science and society. Successful candidates should have completed a Ph.D. by the time of appointment.

Harvey Mudd College is committed to broadening participation in STEM fields. Therefore, among the criteria for appointment are experience with students from diverse backgrounds and/or the ability to teach those students effectively.

Review of applications will begin on November 1, 2022, and continue until the positions are filled. Priority will be given to applications completed by November 1, 2022.

Learn more/Apply at: *https://academicjobsonline.org/ajo/jobs/22228*

Harvey Mudd College is an Affirmative Action/Equal Opportunity Employer. Qualified applicants will be given consideration for employment without regard to race, color, religion, national origin, ethnic origin, ancestry, citizenship, sex (including pregnancy, childbirth, or related medical conditions), sexual orientation, gender (including gender identity and expression), marital status, age, physical or mental disability, medical condition, genetic characteristics, veteran status, or any other characteristic protected by applicable law.

Harvey Mudd College

Assistant Professor of Climate and Computer Science

Harvey Mudd College invites applications for a tenure-track faculty position at the rank of Assistant Professor, beginning fall 2023. Exceptional candidates at higher ranks will also be considered. The position is jointly held through the Hixon Center for Climate and the Environment (HCCE) and the Department of Computer Science. All areas in computer science that align with the HCCE goals will be considered, with preference given to candidates who can significantly contribute to our course offerings and build a shared vision for climate and environmental studies at a liberal arts college of science and engineering.

Harvey Mudd College is a highly selective liberal arts college of science, engineering and mathematics. It is located in Claremont, CA, which is approximately 35 miles east of Los Angeles, at the foot of the San Gabriel Mountains. The college enrolls about 900 students, almost all of whom live on campus, and is a member of the Claremont Colleges, which comprises five undergraduate colleges, the Claremont Graduate University, and the Keck Graduate Institute of Applied Life Sciences. Harvey Mudd College is an equal opportunity employer and is committed to the recruitment of candidates that are historically underrepresented on college faculties.

The Hixon Center for the Climate and the Environment is a new and fully funded campus initiative designed to be an interdisciplinary home for all campus efforts related to climate, sustainability, and environmental studies, including curricular programming, collaborative research, and connections to off campus partners. The Hixon Center is developing a leading undergraduate climate program that is forward-looking, technically broad, and aligned with the mission (*https://www.hmc.edu/about-hmc/mission-vision*) of Harvey Mudd College.

The Computer Science Department currently serves three major programs—the computer science major, the joint major in computer science and mathematics, and the joint major in mathematical and computational biology—totaling more than 120 students in each graduating class. By Fall 2023, the department expects to serve two additional major programs—a new joint major in computer science and physics as well a new joint major in climate and computer science, which will be jointly staffed by the HCCE and Computer Science Department. Among the department's strengths are its success in recruiting women (who compose about half of both our faculty and our majors) to computer science, an innovative and rigorous curriculum that prepares students for both employment and graduate school, and an active research program that involves a substantial number of undergraduates.

Learn more/Apply at: *https://academicjobsonline.org/ajo/jobs/22245*

Harvey Mudd College is an equal opportunity and affirmative action employer committed to providing a workplace free of discrimination, harassment, and disrespectful or other unprofessional conduct (*https://www.hmc.edu/human-resources/policies-procedures-and-guidelines/equal-opportunity-and-nondiscrimination-statement/*).

Founding Tenured/Tenure-Track Faculty

The Hong Kong University of Science and Technology (HKUST) is a leading international university ranked 3rd by Times Higher Education Young University Rankings 2022 and 34th by QS World University Rankings 2022. HKUST establishes HKUST(GZ) in Guangzhou, China (hkust-gz.edu.cn). HKUST(GZ) synergizes with and maintains the same academic standard as HKUST. Microelectronics Thrust is an academic department in HKUST(GZ) and focuses on integrating novel devices into circuits, architecting information systems, and automating their designs and optimizations. English is the instruction and administration medium at HKUST(GZ), and a good command of written and spoken English is required.

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY (GUANGZHOU)

Openings in Microelectronics Thrust are tenured/tenure-track positions at the ranks of Assistant Professor, Associate Professor, and Professor with the following basic requirements.

- Applicants of tenure-track Assistant Professor should demonstrate strong research and teaching potentials.
- Applicants of Associate Professor should have a proven record in research, teaching, student supervision, and funding.
- Applicants of Professor should have world-class academic achievements, international academic leadership, and an established track record in teaching, student supervision and funding.

Applicants should have a PhD degree and research in areas such as the following.

- Electronic design automation; photonic design automation; hardware-software codesign; modeling and simulation technology
- Processor, memory, and storage system architecture; reconfigurable architecture; interconnection network; multiprocessor
- HPC and data center; embedded system; system-on-chip; system-in-package; power management; thermal management
- Quantum computing; neural computing; approximate computing
- Compilation techniques; operating system; system software
- RF/mm-Wave/terahertz technology; integrated photonic circuit; memory device; quantum device; emerging technology

Salary is of international standard and highly competitive. Generous research funding, ample laboratory space, and excellent research equipment and support will be provided. All the positions are in mainland China and offered by the HKUST(GZ) in accordance with the local employment laws and regulations. The appointments to Full Professor and Associate Professor will be made on substantive basis. The initial appointments to Assistant Professor will be made on a fixed-term contract of up to three years, and re-appointments thereafter will be subject to performance and mutual agreement.

Applications should be submitted at https://facrecruit.hkust.edu.hk which will be open until the positions are filled. If there is any question, please contact the Acting Department Head, Prof. Jiang Xu, at jiang.xu@ust.hk. HKUST(GZ) is committed to equal opportunity and diversity in recruitment and employment. We strongly encourage candidates of diverse backgrounds to apply. You can find a list of our existing faculty at https://facultyprofiles.hkust-gz.edu.cn/thrust-faculties?code=10011A10000000000H22.

Professional Opportunities

Institute of Science and Technology Austria

Assistant Professor (tenure-track) and Professor positions in Computer Science and Data Science

The Institute of Science and Technology Austria invites applications for several open positions **in all areas of computer science and data science.**

We particularly welcome applications in statistics, bioinformatics, and robotics.

We offer:

- A highly international and interdisciplinary research environment with English as working language on campus
- State-of-the-art facilities and scientific support services (*https://ista.ac.at/scientific-service-units/*)
- Substantial start-up package and attractive salary
- Guaranteed annual base funding including funding for PhD students and postdocs
- An international Graduate School with high admissions criteria and a rigorous training program
- Leadership program
- Employee Assistance Program
- Dual Career support packages
- Child-care facilities on campus (for children aged 3 months till school age)

ISTA (*https://ista.ac.at*) is an international institute dedicated to basic research and graduate education in the natural, mathematical, and computational sciences. The Institute fosters an interactive, collegial, and supportive atmosphere, sharing space and resources between research groups whenever possible, and facilitating cross-disciplinary collaborations. Our PhD program involves a multi-disciplinary course schedule and rotations in research groups, and we hire scholars from diverse international backgrounds. The campus of ISTA is located close to Vienna, one of the most livable cities in the world.

Assistant professors receive independent group leader positions with an initial contract of six years, at the end of which they are reviewed by international peers. If the evaluation is positive, an assistant professor is promoted to a tenured professor.

Candidates for tenured positions are distinguished scientists in their respective research fields and typically have at least six years of experience in leading a research group.

ISTA values diversity and is committed to equal opportunities. We strive to increase the number of women, particularly in fields where they are underrepresented, and therefore we strongly encourage female researchers to apply.

Please apply online at:
https://ist.ac.at/en/jobs/faculty/

The closing date for applications is October 27, 2022.

Iowa State University

Multiple Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science in the College of Liberal Arts and Sciences at Iowa State University in Ames, Iowa, seeks outstanding applicants for three tenure-track faculty positions at the rank of Assistant Professor. We are looking for candidates in all areas of Computer Science who complement and expand our current research strengths, including but not limited to, broad areas of software engineering and programming languages, systems and networks including cybersecurity, bioinformatics, computational biology and theoretical foundations.

The successful candidate will be expected to develop and sustain a strong Computer Science research program; develop collaborative and interdisciplinary research; publish in top venues; provide outstanding graduate student supervision; teach undergraduate and graduate Computer Science courses; and enhance ISU through professional and institutional service. We are interested in exceptional candidates who can expand our research profile in new areas.

Iowa State University strives to be the university that cultivates a diverse, equitable and inclusive environment where students, faculty and staff flourish. To that end, we welcome candidates from diverse and underrepresented backgrounds to apply. We are dedicated to work-life balance through an array of flexible policies. We are responsive to the needs of dual-career couples.

The Department of Computer Science resides in the College of Liberal Arts and Sciences offering B.S., B.A., M.S., and Ph.D. degrees in Computer Science and a brand-new M.S. degree in Artificial Intelligence. The department is proud to be one of the founding departments for the B.S. in Software Engineering, B.S. in Data Science, Data Science Minor and Certificate

along with the B.S. and Ph.D. degrees in Bioinformatics and Computational Biology. We are active in interdepartmental graduate programs in Bioinformatics and Computational Biology, Human-Computer Interactions, and Information Assurance.

The department participates in many interdisciplinary research collaborations, including partnerships with faculty in bio-sciences, mathematical sciences, and engineering. The Department of Computer Science has 38 faculty professionals, 150 Ph.D. students, 71 M.S. students, and approximately 900 B.S. students. All admitted Ph.D. students are offered a two-year teaching assistantship from the department, and almost all are supported by research or teaching assistantships after that. We have strong research and educational programs in Artificial Intelligence, Machine Learning and Data Science, Bioinformatics and Computational Biology, Human Computer Interaction, Robotics and Autonomous Systems, Software Engineering and Programming Languages, Systems and Networking, and Theoretical Foundations. Our department has over $16 million in active research grants, including the interdisciplinary activities mentioned, and we contribute to active research and training grants totaling approximately $25 million.

All interested, qualified persons can find more information, including required and preferred qualifications and where to apply, at *https://www.cs.iastate.edu/open-positions*. To ensure full consideration, applications should be received by November 21, 2022, but will be accepted until the position is filled.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email *eooffice@iastate.edu*.

Iowa State University

Assistant, Associate, or Full Professor - Electrical and Computer Engineering

The Department of Electrical and Computer Engineering at Iowa State University, Ames, IA, invites applications for tenure-track or tenured faculty positions in electrical and computer engineering. Appointments will be considered at all experience levels.

Iowa State University is an Equal Opportunity/Affirmative Action employer.

Apply online at *https://go.iastate.edu/NVXNQI*

For full consideration, applications must be received by Sep. 15, 2022.

Lawrence University

Assistant Professor of Computer Science

Lawrence University, a liberal arts college and conservatory of music in Appleton, Wisconsin, invites applications for a full-time tenure track position as Assistant Professor of Computer Science to begin September 1, 2023.

Appointment at the associate level may be considered commensurate with experience. A PhD in Computer Science or closely related field is required by job start date. The Department of Mathematics, Statistics, and Computer Science seeks an excellent teacher who is passionate about working with undergraduates in a liberal arts setting while actively engaging in high-quality research. Candidates should be enthusiastic to teach broadly, including introductory and core courses (e.g., programming, algorithms, data structures) as well as advanced offerings in their particular areas of interest and expertise. We encourage innovative pedagogy and thoughtful mentoring to help us create a more inclusive Lawrence. Teaching load is two courses per term for three ten-week terms a year. Computer scientists from all research areas are encouraged to apply.

Candidates can read more about Lawrence at *www.lawrence.edu/* and Colleges That Change Lives. Evaluation of applications will begin October 1st and continue until the position is filled.

For complete details, please visit *http://lawrence.peopleadmin.com*.

Lehigh University

Tenure-Track Faculty (Open Rank) in Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) in the P.C. Rossin College of Engineering and Applied Science

at Lehigh University invites applications for tenure-track faculty at the ranks of assistant professor, associate professor, or full professor to start August 2023. Tenure on appointment is possible for senior candidates. Outstanding candidates in all areas of computer science will be considered. Applicants must hold a Ph.D. in Computer Science or a closely related field prior to the official start of employment. The full position description is available at *https://engineering.lehigh.edu/cse/contact/job-openings*.

Founded in 1865, Lehigh University has combined outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation's highly ranked research universities, Lehigh offers a rigorous academic community for over 7,000 students and about 550 full-time faculty members. Lehigh University is located in Bethlehem, PA, a vibrant and historic area.

For full consideration, application materials should be received online by December 15, 2022, but reviews will start by November 15, 2022.

Candidates applying for a senior position with tenure must submit application materials online at *https://academicjobsonline.org/ajo/jobs/22606*. Candidates requesting a position without tenure must submit application materials at *https://academicjobsonline.org/ajo/jobs/22607*. Applications should include a cover letter, curriculum vitae, teaching statement, research statement, diversity statement, and contact information for at least three references. Questions concerning this search may be sent to *faculty-search@cse.lehigh.edu*.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, marital or familial status, national or ethnic origin, race, religion, sex, sexual orientation, or veteran status. Lehigh University provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by our Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Lewis University

Assistant Professor, Computer Science

Full time non-tenure-track Assistant Professor of Practice in Computer Science in both Romeoville, IL and Albuquerque, NM.

Responsibilities

Responsible to model the University Mission through dedicated job performance, service excellence to constituencies, respectful collaboration, and active support of the University Mission, Catholic, and Lasallian higher education.

- Teach 24 credit hours per contract year
- Service to the department and university and ongoing professional development
- Teach and update courses for the computer science programs for the graduate program in Computer Science that will be starting in fall 2023 at the Albuquerque, NM campus of Lewis University.

The Department of Computer and Mathematical Sciences includes Mathematics, Computer Science, and Computer Engineering

Qualifications

PhD or master's degree in Computer Science with 5 or more years of industry experience.

Please apply *here*

Macalester College

Tenure-Track Assistant Professor of Computer Science

Macalester College invites applications for a tenure-track Assistant Professor in Computer Science to begin Fall, 2023. Candidates must have or be completing a PhD in CS or a closely related field and have a strong commitment to both teaching and research in an undergraduate liberal arts environment. Areas of highest priority include algorithms and theory, systems (including parallel / distributed, networks, or operating systems), programming languages, hardware, and data science.

Evaluation of applications will begin October 14.

Apply at: *https://academicjobsonline.org/ajo/jobs/22390*
More details: *https://www.macalester.edu/provost/wp-content/uploads/sites/268/2022/08/CS-ad.pdf*

Professional Opportunities

Massachusetts Institute of Technology

Cambridge, MA
Faculty Positions

The Massachusetts Institute of Technology Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting July 1, 2023, or on a mutually agreed date thereafter. We welcome outstanding applicants with research and teaching interests in any area of electrical engineering, computer science, and artificial intelligence and decision making. EECS believes that the intellectual, cultural and social diversity of our faculty, staff, and students is vitally important to the distinction and excellence of our academic and research programs. The Department seeks candidates who support our institutional commitment to ensuring that MIT is inclusive, equitable, and diverse.

Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible, commensurate with experience. Faculty duties include teaching at the undergraduate and graduate levels, research, and supervision of student research. Candidates should hold a Ph.D. in electrical engineering and computer science or a related field by the start of employment.

Candidates must register with the EECS search website at *https://faculty-searches.mit.edu/eecs*, and must submit application materials electronically to this website. Applications must include a cover letter, curriculum vitae, a research statement (2-4 pages) and a teaching statement (1-2 pages). In addition, candidates should provide a statement regarding their views on diversity, inclusion, and belonging, including past and current contributions as well as their vision and plans for the future in these areas. Each application should include the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below.

Complete applications should be received by December 1, 2022. Applications will be considered complete only when both the applicant materials and **at least three letters of recommendation are received.**

It is the responsibility of the candidate to arrange reference letters to be uploaded at *https://faculty-searches.mit.edu/eecs* by December 1, 2022.

Send all materials not submitted on the website to:

Professor Asu Ozdaglar
Department Head, Electrical Engineering and Computer Science
Massachusetts Institute of Technology
Room 38-403
77 Massachusetts Avenue
Cambridge, MA 02139

MIT is an equal employment opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin. MIT's full policy on Nondiscrimination can be found at the following: *https://policies.mit.edu/policies-procedures/90-relations-and-responsibilities-within-mit-community/92-nondiscrimination*.

Miami University

Assistant/Associate Professor

Computer Science, Software Engineering, & Cybersecurity: Assistant/Associate Professor of Computer Science, Software Engineering, or Cybersecurity (multiple tenure-track positions) to teach undergraduate and graduate students; establish and maintain a strong research program; advise students and supervise graduate research; provide service to the institution. Expected start date: Fall 2023.

Required: Doctorate in computer science, software engineering, computer engineering, cybersecurity or a closely related field (ABDs may apply but all degree requirements must be completed by date of appointment). Doctorate is required by December 31, 2023. Appointment to the rank of Associate Professor requires an established record of high-quality teaching and scholarship/research with a strong prospect for continuation. Ability to teach courses in computer science, software engineering and/or cybersecurity.

Consideration may be given to candidates with a record of published research/scholarship in computer science, software engineering, or cybersecurity and/or experience teaching in higher education. Areas of particular interest include:

computer graphics/vision, parallel and distributed computing, computing and network security, or software engineering. Cluster hiring is currently underway in the area of cybersecurity to support the Center for Cybersecurity Research and Education.

Submit cover letter, curriculum vita, statement of research plans, teaching philosophy and evidence of teaching ability (course evaluations, letter from supervisor, etc.), and a one-page diversity statement addressing past and/or potential contributions to advancing diversity, equity, and inclusion through research, teaching, and/or service to *https://jobs.miamioh.edu/cw/en-us/job/500593/tenuretrack-assistantassociate-professor*. Department will request letters of recommendation from references listed in application.

Inquiries may be directed to *cse.search@miamioh.edu*. Screening of applications will begin October 1, 2022 and continue until the positions are filled.

Miami University, an EO/AA employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami does not permit, and takes action to prevent, harassment, discrimination and retaliation. Requests for reasonable accommodations for disabilities related to employment should be directed to *ADAFacultyStaff@MiamiOH.edu* or 513-529-3560. Annual Security and Fire Safety Report may be found at: *http://www.MiamiOH.edu/campus-safety/annual-report/index.html*. Criminal background check required. All campuses are smoke- and tobacco free.

Mississippi State University

Faculty Position In Computer Science And Engineering

The Department of Computer Science and Engineering (http://www.cse.msstate.edu) is seeking one new tenure-track faculty member at the rank of Assistant Professor, Associate Professor, or Professor. For candidates at the Assistant and Associate Professor levels, evidence of strong potential for excellence in research and teaching at the graduate and undergraduate levels is required. For candidates at the Professor level, evidence of demonstrated excellence in research and teaching at the graduate and undergraduate levels is expected. Exceptional candidates in all areas will be considered, and we especially welcome applicants conducting research in cloud and autonomic computing, distributed systems, wireless networks, and network security.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The university is designated as both an R1-Very High Research Activity Doctoral University under the Carnegie Classification, and also a National Center of Academic Excellence in Cyber Operations, Cyber Defense Research and Cyber Defense Education by the National Security Agency. The Department of Computer Science and Engineering offers a B.S. in Computer Science, Software Engineering, Cybersecurity and Computer Engineering. It also offers an M.S. in Computer Science and Cyber Security and Operations, and a Ph.D. in Computer Science. In the last fiscal year, the department's research expenditures totaled over 7 million dollars.

Candidates for this position are expected to hold a Ph.D. in Computer Science or closely related field (ABDs may be considered). Rank will be commensurate with experience and qualifications. Preferred qualifications include teaching and research experience, a substantial record of peer-review publications, and demonstrated ability to secure external funding. However, recent graduates with exceptional academic credentials are encouraged to apply.

Candidates must apply at *https://explore.msujobs.msstate.edu/cw/en-us/job/504841* and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications will begin November 4, 2022 and will continue until the position is filled.

Equal Employment Opportunity Statement: MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, ethnicity, sex, religion, national origin, disability, age, sexual orientation, genetic information, pregnancy, gender identity, status as a U.S. veteran, and/or any other status protected by applicable

law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

National Institute of Aerospace

Research Scientist: Computer Science

The National Institute of Aerospace (NIA), located in Hampton, Virginia, has an opening for a Research Scientist to work in support of the Safety Critical Avionics Systems Branch at NASA Langley Research Center, on the advancement of distributed systems and runtime verification (RV). The qualified candidate will be responsible for furtherance of this software, working with other NASA and NIA researchers on enhancement of functionality and verification of the code. CoPilot is an RV system targeted at real-time distributed embedded systems such as civil aviation. CoPilot is Haskell Embedded Domain Specific Language (EDSL) created by researchers at NASA and Galois as part of NASA's ongoing research efforts. Go to *www.nianet.org* to learn more about this position and to apply.

Requirements:

- PhD computer engineering or computer science.

Desired skills:

- Experience in Haskell, OCAML, or a similar typed functional language.
- Experience with formal methods tools such as TLA+, Prism, nuSMV, Coq/Verdi, etc.

NIA is an equal opportunity/affirmative action employer and does not discriminate against any applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic prohibited under Federal, State or local laws.

NUS National University of Singapore

Faculty Positions in Computer Science

The Department of Computer Science at the National University of Singapore (NUS) invites applications for tenure-track and educator-track positions in all areas of computer science. Candidates for Assistant Professor positions on the tenure track should be early in their academic careers and yet demonstrate outstanding research potential, and a strong commitment to teaching.

For Senior Lecturer and Associate Professor on the educator-track, teaching experience or relevant industry experience will be preferred. Besides relevant background and experience, we are also looking for someone with a passion for imparting the latest knowledge in computing to students in our programs

The Department enjoys ample research funding, moderate teaching loads, excellent facilities, and extensive international collaborations. We have a full range of faculty covering all major research areas in computer science and boasts a thriving PhD program that attracts the brightest students from the region and beyond. More information is available at www.comp.nus.edu.sg/careers.

NUS is an equal opportunity employer that offers highly competitive salaries, and is situated in Singapore, an English-speaking cosmopolitan city that is a melting pot of many cultures, both the east and the west. Singapore offers high-quality education and healthcare at all levels, as well as very low tax rates.

Application Details:
Submit the following documents (in a single PDF) online via: https://faces.comp.nus.edu.sg

- A cover letter that indicates the position applied for and the main research interests
- Curriculum Vitae
- A teaching statement
- A research statement
- A diversity statement (optional)
- Contact information of 3 referees

To ensure maximal consideration, please submit your application by 16 December 2022.

Job requirement:
A PhD degree in Computer Science or related areas

NEC Laboratories America, Inc.

Researcher - Complex System Modeling and Optimization

NEC Laboratories America, Inc., *www.nec-labs.com*, conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

Professional Opportunities

The Complex System Modeling and Optimization team develops advanced techniques to optimize complex systems for environmental and sustainability goals such as carbon neutrality. Our research, which is both experimental and theoretical, covers domains including data science, simulation and modeling, optimization and control, and has led to many publications in top conferences. Our research goal is to understand the complexity of real-world systems and build innovative solutions to drive the creation of social values such as carbon neutrality. We have built several analytic engines and system solutions to analyze big data and support various applications in system modeling and optimization.

We are looking for a talented, self-motivated researcher to create cutting-edge technologies. The ideal candidate must be able to research and analyze complex problems and develop data-oriented modelling and simulation for large scale systems. S/he must have a Bachelor's degree or higher in Computer Science, Operations Research, Industrial Engineering, or other recognized engineering disciplines, with experience in at least one of the following areas:

- Artificial Intelligence, machine learning, and deep neural networks
- Complex system simulation
- Computational modeling and partial differential equations
- Large scale optimization and learning
- Automated system testing, debugging, and problem root cause analysis
- Signal processing, system identification, and control

NEC Laboratories America is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour form New York, Philadelphia, and the Atlantic Ocean.

For more information about NEC Labs, visit our website *www.nec-labs.com*, and submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=4781416*.

Equal Opportunity Employer

North Carolina State University

Department of Computer Science

Assistant/Associate/Full Teaching Professor

The Computer Science Department at North Carolina State University (NC State) invites applications from outstanding educators for multiple Assistant/Associate/Full Teaching Professor positions starting August 16, 2023. Candidates must have a Ph.D. in Computer Science or a related area along with appropriate experience by their start date. A successful candidate should provide evidence of excellence in teaching at the university level, leadership in curricular innovation, and interest in CS educational scholarship. While we are considering candidates with specializations in all areas of computer science; those with backgrounds in security, systems, and/or software engineering are especially encouraged to apply. Inclusiveness and diversity are integral to NC State's commitment to excellence in research, engagement, and education. We are particularly interested in candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds, or incorporating diverse perspectives in teaching and/or CS educational scholarship.

Primary responsibilities will include teaching core Computer Science courses both at the undergraduate and graduate levels, with an initial focus on undergraduate core courses. Teaching faculty help maintain consistency and quality of program learning outcomes through curricular innovation, especially at scale. Oversight of Teaching Assistants is expected.

Opportunities are available to teach specialized elective courses and mentor researchers at the undergraduate and graduate levels. A successful candidate must be student-centered and interact with the regional and national community. Candidates will be expected to contribute to departmental efforts in service. Although teaching is the primary responsibility of this position, participation in high-quality research activities centered on teaching, learning, diversity, and/or Computer Science related pedagogy is welcome and supported. Candidates may have the opportunity to lead in the creation and continuation of specialized advanced undergraduate tracks or concentrations.

Teaching-track faculty are full members of the Department and have a promotion path from Assistant Teaching Professor to Associate Teaching Professor and Full Teaching Professor. Teaching-track faculty are highly valued colleagues and contribute to the Department through activities like coordination of courses, participation in the Strategic Planning Committee, ABET accreditation, and other departmental leadership. The Department supports the engagement of teaching-track faculty with the larger community. As professional faculty, teaching-track faculty are not eligible for consideration or conferral of permanent tenure.

The Department of Computer Science and NC State is one of the oldest and largest CS departments in the country. It is part of the university's College of Engineering. NC State is located in Raleigh, the capital of North Carolina. Raleigh forms one corner of the world-famous Research Triangle, which includes Research Triangle Park (RTP). RTP is a hub of innovation, both as a metropolitan area with a world-class industrial base, and as a center of excellence in the technology and academic arenas. The University of North Carolina at Chapel Hill and Duke University form the second and third corners of the Triangle. Raleigh and its surrounding areas are routinely recognized as one of the best places to live in the United States. We enjoy outstanding public education, affordable cost of living, and a wide variety of entertainment opportunities, all within proximity to the mountains and the coast.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by October 14, 2022 for full consideration for an August 2023 start. Salary will be commensurate with qualifications.

Applicants should submit the following online at *https://jobs.ncsu.edu/* (reference position number - 00109159): cover letter; curriculum vitae; statement of teaching philosophy, which could include a statement of educational scholarship; a diversity statement; and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department, curriculum, and its research programs, as well as more detail about the position advertised at *http://www.csc.ncsu.edu/*. Inquiries may be sent via email to: *csc-teaching-fac-search@lists.ncsu.edu*.

NC State University is an equal opportunity and affirmative action employer. We are widely recognized as a highly diverse department, having the most female tenured and tenure-track faculty of any computer science department in the country. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. If you have general questions about the application process, you may contact Human Resources at 919.515.2135 or *workatncstate@ncsu.edu* (email address opens in a new window).

Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148.

Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If the highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at *www.wes.org* or equivalent service. Degree(s) must be obtained prior to start date in order to meet qualifications and receive credit. NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

North Carolina State University

Department of Computer Science

Tenured/ Tenure-Track Faculty Positions

The Department of Computer Science at North Carolina State University (NCSU) is expanding. The Department is seeking faculty at all ranks to fill multiple tenured/ tenure-track faculty positions with an expected (but flexible) start date of August 16, 2023. The Department welcomes applications in all areas of Computer Science, but we are particularly interested in candidates whose primary research areas include (1) Artificial Intelligence and Advanced Technology for the Digital Transformation of Education; (2) Cyber-Physical Systems; (3) Cybersecurity; (4)

Software Engineering; and (5) Theoretical Computer Science.

Successful candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field.

The Department, part of NC State's College of Engineering, is one of the largest and oldest in the country. The department's research expenditures and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (30 of our current or former faculty have received one). Further, we are widely recognized as a highly diverse department, having one of the highest numbers of female tenure track faculty in a computer science department in the country.

NC State is located in Raleigh, the capital of North Carolina, which forms one vertex of the world famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, farmer's markets and festivals, and great weather- all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received, with reviews beginning 15 days after this advertisement is posted and continuing as long as the positions are open. The positions will remain open until suitable candidates have been identified.

Applicants should submit the following materials online at *https://jobs.ncsu.edu/* (reference position number - 00001075) cover letter; curriculum vitae; research statement; teaching statement; diversity, equity, and inclusion statement; and names, affiliations, and professional email addresses of at least three references.

Candidates can obtain information about the department and its research programs, as well as more detail about the positions advertised here at *https://www.csc.ncsu.edu/employment/*. Inquiries may be sent via email to: *csc-tt-facsearch@lists.ncsu.edu*.

The Department of Computer Science and NC State have a documented history of success in accommodating the needs of dual-career couples.

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability related accommodations in the application and interview process, please call 919-515-3148.

Final candidates are subject to background checks. If their highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified at *www.wes.org*. Degree must be obtained prior to the start date. NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

Open Rank Teaching Professor - Personalized Learning

NAU Personalized Learning is conducting a nationwide search for a 12-month, non-tenure track faculty position for our Master of Computer Information Technology program. Annual continuation of appointment will depend on program success, the ability to provide students with the academic content and tools to succeed, and continued funding. Remote work is a possibility for this position.

Please see: https://apptrkr.com/3402582
for full job descriptions and details on how to apply online!

Northwestern University

Statistics / Data Science Visiting Assistant Professor Position

Northwestern University, Department of Statistics and Data Science invites applications for a two-year visiting assistant professor position with expertise in statistics/data science

to begin September 1, 2023. PhD in statistics/computer science or related fields is required. Research and teaching experience in statistics/data science is desirable. Duties includes teaching 4 courses per year and conducting research.

Review of applications will start on Oct 1, 2022 and continue until the position is filled.

Applicants should submit a cover letter, CV, research and teaching statement, as well as three contacts for letters of recommendation via the application link at *https://statistics.northwestern. edu/about/faculty-search-.html*. Questions to Kisa Kowal, *k-kowal@northwestern.edu*.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply.

Northwestern University

Statistics/Data Science/Machine Learning Tenure-Track Assistant Professor Faculty Position

Northwestern University's Department of Statistics and Data Science invites applications for a full-time, tenure-track assistant professor faculty position with expertise in data science, broadly defined, and with experience/interest in big data analysis, to begin on September 1, 2023. PhD in statistics/computer science or related fields is required. Research experience and expertise in machine learning and/or data science is desirable. Duties include teaching undergraduate and graduate courses, conducting research, and advising students.

Review of applications will start on Oct 1, 2022 and continue until the position is filled.

Applicants should submit a cover letter, CV, a teaching and research statement, as well as three contacts for letters of recommendation via application link at *https://statistics.northwestern.edu/about/faculty-search-.html*.

Questions to Kisa Kowal *k-kowal@northwestern.edu*.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply.

NYU, Tandon School of Engineering

Tenure-Track Faculty Positions

The Department of Technology Management and Innovation and the Center for Urban Science and Progress, both at Tandon School of Engineering, NYU, invite applications for two tenure track positions at the level of Assistant Professor with joint appointment between the two units, with earliest start date of September 1, 2023.

Apply Here: *https://apply.interfolio.com/111957*

We will review applications beginning on October 1, 2022 and will continue until we fill the positions. We encourage early submissions of applications.

Oberlin College

Assistant Professor of Computer Science

The Computer Science Department at Oberlin College invites applications for two full-time, tenure track faculty positions in the College of Arts and Sciences to begin Fall 2023. We especially encourage applicants with research interests in Theory, Systems, or Machine Learning/ Data Science to apply.

To be assured of consideration, submit required application materials for this position found at *https://jobs.oberlin.edu/postings/12946* by October 15, 2022.

Pittsburgh Supercomputing Center

Director

The Pittsburgh Supercomputing Center (PSC) invites applications and nominations for the position of Director. PSC is a partnership between Carnegie Mellon University (CMU) and the University of Pittsburgh (Pitt), both of which are members of the prestigious Association for American Universities (AAU) and are committed to the Center's success.

PSC operates a sophisticated facility that includes high-performance computing systems, high-speed parallel filesystems, and leading-edge networking. PSC is supported by several federal agencies, the Commonwealth of Pennsylvania, and private industry and is a leading partner in XSEDE, the National Science Foundation cyberinfrastructure program. With an annual budget of $16.5M, PSC computing

resources have been used by more than 9,000 principal scientists and engineers in its 30+ year history. Notable scientific achievements by PSC staff and external researchers using PSC resources include the first realistic 3-D model of blood flow in the heart, the first simulated reversal of the earth's magnetic field, and many more.

The position description can be found at *https://bit.ly/PittsburghSupercomputingCenter*. Confidential inquiries, nominations and applications should be sent electronically via email (Microsoft Word or Adobe PDF files preferred) to:

Nick Dials and Jett Pihakis

Consultants to the Search Committee

PSC@russellreynolds.com

PSC is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EEO/AA/M/F/Vets/Disabled.

Princeton University

Assistant Professor of Computer Science

The Department of Computer Science at Princeton University invites applications for tenure track faculty positions at the Assistant Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship potential as well as teaching ability. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in Computer Science.

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before September 1, 2023. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Applications should be submitted online at *https://www.princeton.edu/acad-positions/position/27461*. Applicants should include a CV, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications. For those applicants advancing to later stages, additional material may be requested.

For full consideration we recommend that applicants apply by December 1, 2022, though we will continue to review applications past that date as needed.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. *https://dof.princeton.edu/policies-procedure/policies/equal-opportunity*

Requisition Number: D-23-COS-00002

Princeton University

Associate or Full Professor of Computer Science

The Department of Computer Science at Princeton University invites applications at the Associate and Full Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship as well as an excellent teaching record. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in Computer Science. A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department.

Applications should be submitted online at *https://www.princeton.edu/acad-positions/position/27021*. Applicants should include a CV, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications. For full consideration we recommend that applicants apply by December 1, 2022, though we will continue to review applications past that date.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer

and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. *https://dof.princeton.edu/policies-procedure/policies/equal-opportunity*

Requisition No: D-23-COS-00001

Princeton University

Open Rank Faculty Positions in Interdisciplinary Data Science

As part of a major new initiative in interdisciplinary data science, Princeton University is undertaking a search for faculty members at all academic ranks across all areas of science, engineering, social science, and humanities. This initiative will involve multiple faculty hires over the next several years. We are particularly interested in applicants who advance discovery in their fields of scholarship using techniques from machine learning and statistics. Applicants may also make research advances in the machine learning and statistical methods themselves, as necessary for their application domains.

These faculty hires will contribute to the momentum already building across Princeton University in interdisciplinary data science. For associate and full professor candidates, we are looking for research leaders who cross boundaries in applying data-science methods. For assistant professor candidates, we are looking for rising stars who are conducting exciting research that applies data-science methods in their chosen field(s). Applicants must demonstrate superior research and scholarship potential, as well as teaching ability. Faculty appointments resulting from this search may be made with a range of different departments, centers, or institutes at Princeton University.

PhD expected. In addition, applicants must have a strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels. The university is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in their chosen fields.

Applications must be submitted online at *https://www.princeton.edu/acad-positions/position/27043* and should include a cover letter, curriculum vitae, a research statement, and a teaching statement, as well as contact information for at least three references.

Review of applications will begin by December 1, 2022, and applications will be considered throughout the academic year.

Requisition No: D-23-DSC-00001

Princeton University

Lecturer of Computer Science

The Department of Computer Science seeks applications from exceptional individuals who share our strong commitment to undergraduate education to join our teaching faculty in one or more full-time positions at the rank of Lecturer.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our large undergraduate courses are the shared responsibility of a team of faculty and graduate assistants.

A successful candidate will participate in such a team at the outset. Job responsibilities can also include teaching upper-level courses, advising undergraduate research, curriculum development, state-of-the-art software technology development, data analytics, outreach to under-represented groups, and online content development.

Research and scholarship in CS education or in any area of CS is also encouraged. An advanced degree in computer science, or related field, is required.

Further information about the Computer Science Department at Princeton can be found at: *https://www.cs.princeton.edu/*

Applications must be submitted online at *https://www.princeton.edu/acad-positions/position/27501* and include a cover letter, curriculum vitae, teaching statement, material relevant to evaluating the applicant's teaching abilities and research accomplishments, and contact information for at least three references.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer

and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. EEO IS THE LAW. *https://dof.princeton.edu/policies-procedure/policies/equal-opportunity*

Requisition No: D-23-COS-00003

Princeton University

Assistant, Associate or Full Professor - Ludwig Princeton Branch

Princeton University seeks applications for an assistant, associate or full professor to contribute to a major new initiative at the interface between the physical and computational sciences and disease biology, with a particular focus on cancer and metabolism (Ludwig Princeton Branch). Candidate selected will be appointed to a tenured or tenure-track position in an academic department at Princeton appropriate for the candidate's area of specialization, and will also hold a corresponding membership in the Ludwig Institute for Cancer Research.

Responsibilities include teaching, service (both in accordance with the standards for the academic department in which the candidate is appointed) and research, including operation of a vibrant research group to benefit from both Princeton University and Ludwig Princeton Branch funding (with expectations to compete also for external funds). Candidates are expected to devote a meaningful portion of their research effort to work that bridges between a hard science, computer science, or engineering discipline and an area of biology of relevance to the Ludwig Princeton Branch, such as cancer, metabolism, immunology, or the microbiome. Applicants are expected to hold a PhD or MD, optionally with relevant additional research experience (industrial, postdoctoral, or as a faculty member), and a strong track record of research accomplishments. We value building a culturally diverse intellectual community; women and members of underrepresented groups are strongly encouraged to apply.

Applicants should submit a description of research interests (typically 2 - 3 pages), curriculum vitae, a list of publications, and contact information for three referees online at *https://www.princeton.edu/acad-positions/position/26805*.

For fullest consideration, please apply by September 1, 2022. Late applications may be reviewed up to December 1, 2022.

Princeton University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.

Reed College

Tenure-Track Positions in Computer Science

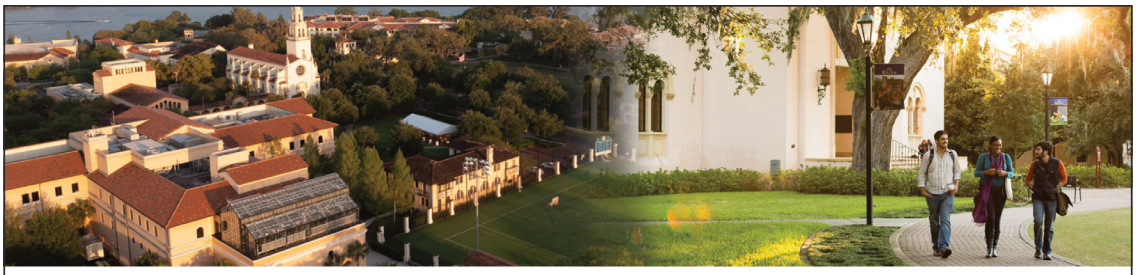
The Department of Computer Science at Reed College invites applications for two open-rank tenure-track faculty positions beginning in the fall of 2023. Applicants should have a Ph.D. in computer science or a closely related field by the time of the appointment and should be committed to excellence in undergraduate teaching and in research. The successful applicant will teach in the core computer science curriculum at all levels, will develop one or more courses in the applicant's area(s) of expertise, and will work to foster a welcoming and engaged community. They will maintain an active research program, ideally providing opportunities for student involvement, and they will advise several year-long senior thesis projects. Applicants from all areas of computer science are encouraged to apply.

Reed is a distinguished liberal arts college that offers a demanding academic program to approximately 1500 bright and dedicated undergraduate students. Reed believes that this requires a faculty that is actively engaged in cutting-edge research and provides the resources necessary to enable that research, including a generous sabbatical policy as well as startup and other funding. The college believes that cultural diversity is essential to the excellence of our academic program (see *https://www.reed.edu/diversity/*).

Applicants to the position are encouraged to contact Adam Groce (*agroce@reed.edu*), the chair of the search committee, for further details about the position and the college's computer science program. Information about the position is also posted at *https://www.reed.edu/computer-science/faculty-search.html*.

Application Instructions

Applicants should submit their applications electronically through the Interfolio service



Rollins
EST. 1885

(Tenure-Track) Assistant Professor, Computer Science

Job No.: 493359
Work Type: Faculty (Tenure-Track)
Location: Orlando, FL, Winter Park, FL
Categories: Mathematics & Computer Science
Division: Academic Affairs

For the 13th consecutive year, Rollins College has been named a "Great College to Work For". Be a part of the Rollins experience and find a place where you belong. Ready to join us?

At Rollins, we strive to be responsive, respectful, collaborative, competent, and inclusive in all that we do. Whether serving prospective or current students, alumni, local residents, or our fellow faculty and staff colleagues, these standards define the Rollins service experience.

Position Summary:

The Department of Mathematics and Computer Science at Rollins College invites applications for a tenure-track computer science position at the assistant level, beginning in August 2023. The area of specialization is open.

Our dynamic department is looking for a colleague who is excited about teaching and mentoring at a liberal arts college. The successful applicant should be able to teach a variety of computer science courses, ranging from introductory level to advanced undergraduate, and show an interest in developing courses that serve the college's general education program. We are looking for a candidate who is passionate about encouraging women and people in other underrepresented groups to pursue computer science. We value colleagues with diverse experiences and perspectives that will enhance the Rollins community.

Our alumni have obtained leading industry positions, including roles at Apple, LAIKA Studios, Cloudflare, Los Alamos National Laboratories, NASA and the Seattle Mariners. Other recent students are attending graduate programs at Georgia Tech, Johns Hopkins, and Vanderbilt, among others. Our students are active in the community and passionate about the future of computer science.

Our new colleague will be expected to establish a record of research activity. The department encourages student-faculty collaboration and values a broad approach to scholarship, including work that enhances teaching and projects that engage with the community.

Founded in 1885, Rollins is Florida's oldest recognized college. Rollins is an independent, comprehensive, residential liberal arts college. The campus, noted for its lakefront beauty and for its unique location, is set in the residential community of Winter Park, just 15 minutes from one of the nation's most dynamic urban centers, Orlando. For the last 10 years, U.S. News & World Report ranked Rollins No. 1 or No. 2 among southern regional universities. Rollins is one of only 36 Ashoka U Changemaker Campuses in the world. For additional information, please visit the College website at www.rollins.edu.

Minimum Qualifications and Education:

- Ph.D. in computer science or a closely related field. Outstanding candidates with terminal degrees in other areas may be considered if they have a history of teaching and research work consistent with appointment to a computer science faculty position. ABD candidates will be given full consideration if they plan to receive the Ph.D. prior to the August 2023 start date.
- Preference for candidates with demonstrated evidence of effective teaching in one or more core computer science classes.
- Willingness to teach a range of classes within the computer science major and develop new courses for non-majors.
- Ability to develop a research program that can incorporate undergraduate students.
- Willing and able to support a diverse student body and encourage the participation of women and other traditionally underrepresented groups in computer science.

Instructions to Applicants:

Interested applicants must apply online via the College's employment website and upload the following materials as follows:

1. Letter of interest
2. Curriculum vitae
3. Statement of teaching philosophy
4. Statement of research interests
5. Provide three reference names and email addresses on application

Review of applications will begin on October 15 and continue until the position is filled.

Inquiries can be directed to:

Dr. Dan Myers, Chair of Search Committee
dmyers@rollins.edu

About Rollins College:

Rollins is committed to fostering a diverse and inclusive campus community, and the College celebrates the open exchange of ideas within a climate of civility and mutual respect. We view differences—from race and ethnicity to sexual orientation and political perspectives—as rich opportunities for understanding, learning, and growth.

Through its mission, Rollins College is firmly committed to creating a just community that embraces multiculturalism; persons from historically under-represented minority groups are therefore encouraged to apply. Rollins does not discriminate on the basis of sex, disability, race, age, religion, color, national or ethnic origin, ancestry, marital status, veteran status, sexual orientation, gender identity, gender expression, genetic information, physical characteristics, or any other category protected by federal, state, or local law, in its educational programs and activities.

FLSA Status: Exempt
Service Months: 9
Advertised: 18 Aug 2022 Eastern Daylight Time

To apply, please visit: https://apptrkr.com/3356085

at *http://apply.interfolio.com/111705* and should include a cover letter, curriculum vitae, teaching statement, research statement, and three letters of recommendation. The cover letter should address how the applicant's teaching and scholarship would contribute to Reed's small, selective undergraduate environment. Candidates can choose to include a separate diversity statement that addresses their approach to supporting diversity, inclusion, and equity or they can discuss those questions in their cover letter, teaching statement, or other materials.

Applications submitted by October 14 are guaranteed full consideration, although review of applications will continue until the position is filled.

An Equal Opportunity Employer, Reed values diversity and encourages applications from underrepresented groups.

Rowan University

Department of Computer Science

Full-Time Tenure-Track Faculty Position(s) Open Rank

The Department of Computer Science at Rowan University, the third fastest growing public research institution as recognized by The Chronicle of Higher Education, is seeking to hire one or more tenure-track faculty to begin their appointment in September 2023. This search is part of a broader, multi-year faculty hiring initiative across the College of Science & Mathematics.

Outstanding candidates with strong research interests in any area of Computer Science will be considered; the preferred research focus is Cybersecurity and closely related fields.

A Ph.D. in Computer Science, or in a closely-related field, is required. Preference will be given to candidates with a track record and/or potential to establish and sustain a strong research program. We anticipate hiring at the Assistant Professor level, but outstanding candidates may be considered at the Associate or Full Professor levels.

Review of applications will commence on October 10, 2022 and continue until suitable candidates have been identified. Applicants will need to submit the above materials via our online application system at *https://jobs.rowan.edu/en-us/job/496797/tenuretrack-faculty-positions-open-rank-department-of-computer-science*

Candidates must be legally authorized to work in the U.S. All positions are contingent upon budget appropriations.

Questions may be directed to *CSsearch@rowan.edu*.

Saint Mary's University

Tenure-Track Assistant Professor

The Sobey School of Business at Saint Mary's University invites applications for one tenure-track position at the rank of Assistant Professor in Business Analytics commencing July 1, 2023. The successful candidate should have a PhD or an ABD in Management Information Systems or Computer Science, and demonstrate research ability in machine learning and/or artificial intelligence and/or machine intelligence for business applications.

To apply, please visit

https://jobs.careerbeacon.com/details/tenuretrack-appointment-in-business-analytics-in-the-department--of-finance-information-systems-and--management-science/1814814

Santa Clara University

Tenure-Track Assistant Professor of Computer Science and Engineering

Purpose:

The Department of Computer Science & Engineering at Santa Clara University invites applications for three tenure-track Assistant Professor positions starting in the 2023-2024 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages/compilers, computer architecture, blockchain, and metaverse areas. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University (*https://www.scu.edu*) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all regional universities in the West by U.S. News and World Report, Santa

Professional Opportunities

Clara University is now elevated to a new category in national rankings, "Doctoral/ Professional Universities." Santa Clara University's ranking in the 2022 edition of Best Colleges is National Universities, #55. Santa Clara University is California's oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to "fashion a more humane, just and sustainable world."

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,900 undergraduate and 3,000 graduate students. The Department (*https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/*) offers B.S., M.S. and Ph.D. degrees, with 25 full-time faculty, and a strong pool of approximately 20 part-time adjunct faculty who instruct about 450 undergraduate majors, and about 590 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

SCU and the computer science and engineering profession are committed to justice, equity, diversity, and inclusion; we seek candidates whose research, teaching, and/or service have prepared them to help fulfill these commitments. All SCU faculty engage in teaching, research and service. The ideal candidate will express enthusiasm for teaching lower and upper division undergraduate and graduate courses in areas of specialization, fulfilling all responsibilities related to those courses, and for engaging students from diverse backgrounds in learning. The candidate will demonstrate a passion for developing an active research program appropriate to Santa Clara University's mission that leads to high-quality research publications, research funding applications, and engaging students as participants. Successful candidates will be expected to develop their own scholarly research, mentoring undergraduate and graduate students.

We welcome candidates ready to contribute to our mission to educate citizens and leaders of competence, conscience, and compassion and cultivate knowledge and faith to build a more humane, just, and sustainable world. We especially encourage applicants whose goals and professional or life experiences enrich the department and school community and who can serve as a role model to a diverse student population.

Salary:

Based on experience, education, and expertise.

Basic Qualifications:

Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels.

Responsibilities:

Teaching undergraduate and graduate courses in areas of specialization, and courses of a fundamental/core nature, and fulfilling all responsibilities related to those courses.

The standard academic year course load for tenured and tenure-track positions is seven quarter-level course equivalents, generally with a one-course equivalent reduction for scholarly or creative work. The first-year tenure-track assistant professor is granted an additional one course release. Limited course buyout may be approved using external grant funds.

Course equivalents include lectures and supervision of labs, theses, dissertations, and projects, distributed across three quarters of 10 weeks each. Each quarter is 10 weeks excluding the final exams week.

Developing a research program that leads to high-quality publications, competitive for funding by external sources, and engages students as participants in that research.

Appropriate service to the department, school, university, and profession.

Start Date: 09/01/2023

Posting Detail Information:

Open Date: With immediate effect

Close Date: Review of applications will begin on December 5, 2022

Open Until Filled: Yes

Special Instructions to Applicants:

Applicants should upload a letter of application, three statements, a detailed CV, and the names and contact information of three professional references.

All applications MUST include the following required documents:

1. Letter of Interest, with
2. Statement of research interests, statement of teaching interests, and statement of equity, diversity and inclusion (an equity, diversity, and inclusion (EDI) statement describes past, present, and planned contributions to equity, diversity, and/or inclusion in engineering or other areas)
3. Curriculum Vitae
4. Names and contact information of three Professional References

All materials should be submitted online at *https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Tenure-Track-Assistant-Professor-of-Computer-Science-and-Engineering_R2933*

Complete application packets received by December 5, 2022 will receive full consideration. However, the position will remain open until filled.

Santa Clara University

Tenure-Track Assistant Professors in ISA

Overview

The Information Systems and Analytics (ISA) Department of the Leavey School of Business at Santa Clara University invites applications for tenure-track positions beginning Fall 2023. These two positions are for the rank of assistant professor in the areas of Information Systems, Analytics, and Operations. Review of applications will begin immediately and will continue until positions are filled.

Basic Qualifications

We see this specialization as falling at the intersection of business analytics, information systems, and operations management, so applicants should possess a foundation in these disciplines and deep expertise in one or more. Applicants must have a Ph.D. in Operations Research, Information Systems, Operations Management, Computer Science, Business Analytics, Statistics, Decision Sciences, or a related field.

Preference will be given to candidates who have demonstrated excellence in research and teaching, embrace the Silicon Valley spirit, and have the expertise or willingness to teach/develop various courses. In addition, we encourage applications from candidates who will contribute to the diversity of our college community, including members of historically underrepresented groups.

Responsibilities

Maintaining a program of research leading to publications in high-quality journals.

Teaching graduate and/or undergraduate courses and fulfilling the responsibilities associated with those courses.

Providing suitable service to the department, university, profession, and/or community.

Salary

Salaries are competitive and commensurate with qualifications and experience.

How to Apply

Submit application via *https://wd1.myworkdaysite.com/recruiting/scu/scu/job/Santa-Clara-CA/Tenure-Track-Assistant-Professors-in-ISA_R2817*

Southern Nazarene University

Computer Science Professor

Southern Nazarene University invites applications for a Professor of Computer Science at the assistant, associate, or full level, beginning January 2023 or August 2023.

Job description link: *https://www.snu.edu/careers/assistant-associate-professor-of-computer-science/*

Spelman College

Assistant Professor

Spelman College invites applications for a tenure-track position at the rank Assistant Professor in all areas of Computer Science to begin in August 2023. Special consideration will be given to candidates in computer, network and data security, including: Cloud Security, Web and Mobile Security, Systems Security, Malware Analysis and Forensics, and Data Privacy. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research with opportunities to involve undergraduates, mentoring, and service to the department and College. The ideal candidate should have a Ph.D. in Computer Science or related field and be able to teach courses within the core curriculum of computer science, including: data structures, operating systems, programming languages, and introductory programming courses.

Please apply here: *https://spelman.peopleadmin.com/postings/4514*

Professional Opportunities

Stanford Graduate School of Business

Faculty Positions in Operations, Information and Technology

The Operations, Information and Technology (OIT) area at the Graduate School of Business, Stanford University, is seeking qualified applicants for full-time, tenure-track positions, starting September 1, 2023. All ranks and relevant disciplines will be considered. Applicants are considered in all areas of Operations, Information and Technology (OIT), including the management of service and manufacturing systems, supply and transportation networks, information systems/technology, energy systems, and other systems wherein people interact with technology, markets, and the environment. Applicants are expected to have rigorous training in management science, operations research, engineering, computer science, economics, and/or statistical modeling methodologies. Candidates with strong empirical training in economics, behavioral science or computer science are encouraged to apply. The appointed will be expected to do innovative research in the OIT field, to participate in the school's PhD program, and to teach both required and elective courses in the MBA program. Junior applicants should have or expect to complete a PhD by September 1, 2023.

Applicants should submit their applications electronically by visiting the web site *http://www.gsb.stanford.edu/recruiting* and uploading their curriculum vitae, research papers and publications, and teaching evaluations, if applicable, on that site. Applications will be accepted until November 15, 2022.

For an application to be considered complete, the applicant must submit a CV and job market paper and arrange for three letters of recommendation to be submitted before the application deadline of November 15, 2022.

The Stanford Graduate School of Business will not conduct interviews at the INFORMS meeting in Indianapolis, but some OIT faculty members will attend. Hence candidates who will be presenting at INFORMS are encouraged to submit their CV, a research abstract, and any supporting information before October 7, 2022.

Any questions regarding the application process should be sent by email to *Faculty_Recruiter@gsb.stanford.edu*.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford welcomes applications from all who would bring additional dimensions to the University's research, teaching and clinical missions.

Stanford University

Assistant Professor

Stanford Data Science and the Department of Statistics at Stanford University invite applications for a tenure-track Assistant Professor position in data science, focusing on the theory and practice of learning from data. The departmental home of the appointee is Statistics with a faculty scholar role in the new Stanford Data Science unit.

Applicants should exhibit the potential to run a world-leading independent research program and a commitment to teaching and mentoring. The successful candidate must have a Ph.D. in statistics, data science, computer science, mathematics, or a related discipline at the time of appointment and will be expected to teach and advise students at both the graduate and undergraduate levels.

The successful candidate will be expected to contribute creatively and in depth to theoretical and applied data science through research, teaching and trainee mentorship. We are open to candidates working on a broad range of problems including but not limited to statistical methodology, applications, computation and theory. Ideal candidates will demonstrate strong communication and leadership skills, and will be able to actively contribute to our rapidly growing institute and their home department.

Stanford Data Science, the Department of Statistics, and Stanford University value faculty who are committed to advancing diversity, equity, and inclusion. Candidates may optionally include a diversity statement including a brief discussion of how their research, teaching and mentorship will further these ideals.

The Stanford community also values transparency and openness in science and encourages candidates to provide in their

research statement a description of how these values are reflected in their work to date and their future research plans.

Further information on Stanford Data Science may be found at *https://datascience.stanford.edu/* and information on the Department of Statistics at *https://statistics.stanford.edu/*. Inquiries may be directed to *search@stat.stanford.edu*.

Applicants should submit a cover letter, CV, 3-5 page statement of research accomplishments and plans, 1 page teaching statement, 1 page diversity statement (recommended), 2 representative publications, and arrange for at least 3 letters of recommendation to be submitted.

All materials should be submitted online *http://Facultypositions.stanford.edu/cw/en-us/job/493466?lApplicationSubSourceID=*.

The search committee will begin reviewing applications on November 15, 2022. Applications must be received by December 15, 2022 to be guaranteed consideration.

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford welcomes applications from all who would bring additional dimensions to the University's research, teaching and clinical missions.

State University of New York at Plattsburgh

Lecturer, Computer Science

To learn more about this position and to apply, please visit *https://jobs.plattsburgh.edu/postings/12964*

SUNY College at Plattsburgh is a fully compliant employer committed to excellence through diversity

Texas A&M University

Academic Professional Track Faculty Positions - College Station

Job Description

The Department of Computer Science and Engineering at Texas A&M University invites applications for multiple academic professional track (non-tenure) faculty positions at the assistant lecturer, lecturer, senior lecturer, instructional assistant professor, instructional associate professor, instructional professor, associate professor of practice, professor of practice, visiting lecturer, visiting assistant professor, visiting associate professor, and visiting professor levels with teaching expertise in computer science or computer engineering. These positions are full-time for a 9-month academic appointment with an anticipated stat date in Fall 2023. The successful applicants will teach primarily at the undergraduate level to support the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities, and serve the profession. Applicants will be responsible for the organization, delivery, evaluation, and assessment of the computer science and engineering courses and student outcomes associated with these courses. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (*https://engineering.tamu.edu/cse*).

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial, and collaborative culture in the area of teaching, curriculum development, and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department provides its 1,300+ (sophomore to senior level) undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with a strong education and technical training, allowing them to be competitive in the job market or prepared for advanced studies in graduate school.

Qualifications

For appointments at Associate Professor of the Practice, Professor of the Practice, Visiting Associate Professor of the

Practice or Visiting Professor of the Practice level, applicants must have, at the minimum, a Master level degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field. We will also consider applicants with a bachelor's degree and significant professional experience.

For appointments at Assistant Lecturer, Lecturer, Senior Lecturer, Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor level, applicants must have a Master level degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field or doctoral degree in a closely related engineering or science discipline.

For appointments at the Visiting Assistant Professor, Visiting Associate Professor, and Visiting Professor level, applicants must have a doctoral degree in a closely related engineering or science discipline.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, teaching statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at *https://apply.interfolio.com/112026*. The review process will begin immediately.

Priority consideration will be given to applications received by January 4, 2023. Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin Fall 2023.

Texas A&M University is committed to enriching the learning and working environment for all visitors, students, faculty, and staff by promoting a culture that embraces inclusion, diversity, equity, and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our mission and living our core values.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Texas A&M University

Academic Professional Track Faculty Positions – Galveston

Job Description

The Department of Computer Science and Engineering at Texas A&M University at Galveston invites applications for multiple academic professional track (non-tenure) faculty positions at the assistant lecturer, lecturer, senior lecturer, instructional assistant professor, instructional associate professor, instructional professor, associate professor of practice, professor of practice, visiting lecturer, visiting assistant professor, visiting associate professor, and visiting professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level to support the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities, and serve the profession. Applicants will be responsible for the organization, delivery, evaluation, and assessment of the computer science and engineering courses and student outcomes associated with these courses at Texas A&M University at Galveston. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs (*https://engineering.tamu.edu/cse*) and consult the Engineering at Galveston website to review the college programs (*https://engineering.tamu.edu/admissions-and-aid/engineering-at-galveston/index.html*).

The Department of Computer Science and Engineering (CSE) at Texas A&M is currently one of 15 departments in the College of Engineering. Academic professional track (APT) positions provide long-term career paths with opportunities for advancement. With an average time in service of eight years for our APT faculty, CSE prides itself on offering an engaging, collegial, and collaborative culture in the area of teaching, curriculum development, and service. We are committed to hiring outstanding teachers who can introduce new and innovative teaching pedagogies. The department provides its 1,300+ (sophomore to senior level) undergraduate students with the highest quality of education in computer science and computer engineering. This commitment to instruction produces versatile students with a strong education and technical training, allowing them to be competitive in the job market or prepared for advanced studies in graduate school. Texas A&M University at Galveston is an ocean-oriented branch campus of Texas A&M University, which educates nearly 2,300 undergraduate and graduate students. Ideally located in Galveston, Texas, on the Gulf Coast,

surrounded by the industry, environment, and programs essential to fulfilling its special-purpose mission. There are multiple College of Engineering programs on the Galveston campus. Students who choose to study engineering at the Texas A&M Galveston campus are Texas A&M engineering students enrolled in Texas A&M engineering courses taught by Texas A&M engineering faculty.

Qualifications

For appointments at Associate Professor of the Practice, Professor of the Practice, Visiting Associate Professor of the Practice or Visiting Professor of the Practice level, applicants must have, at the minimum, a Master level degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field. We will also consider applicants with a bachelor's degree and significant professional experience.

For appointments at Assistant Lecturer, Lecturer, Senior Lecturer, Instructional Assistant Professor, Instructional Associate Professor, or Instructional Professor level, applicants must have a Master level degree appropriate for the field in which the faculty member will teach and significant teaching experience at the college/school level in the field or in a related field or doctoral degree in a closely related engineering or science discipline.

For appointments at the Visiting Assistant Professor, Visiting Associate Professor, and Visiting Professor level, applicants must have a doctoral degree in a closely related engineering or science discipline.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, teaching statement, diversity statement, and a list of three references (including email addresses) by applying for this specific position at *https://apply.interfolio.com/111501*. The review process will begin immediately.

Priority consideration will be given to applications received by January 4, 2023.

Applications received after that date may be considered until positions are filled. It is anticipated the appointments will begin Fall 2023.

Texas A&M University is committed to enriching the learning and working environment for all visitors, students, faculty, and staff by promoting a culture that

TOYOTA TECHNOLOGICAL INSTITUTE AT CHICAGO

Hiring Research & Tenure-Track Faculty

While we welcome applications from many areas of computer science, we will give preference to candidates working in the following areas:

- machine learning
- computer vision
- natural language processing and speech
- robotics
- computational biology
- algorithms and complexity theory

About TTIC

TTIC is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. The Institute produces cutting-edge research and offers world-class graduate education. Our faculty routinely publish their results at top conferences and are recognized with prominent distinctions.

Our faculty members enjoy a uniquely light teaching load, which helps them focus on their research. TTIC has only PhD students, so all courses and activities are focused on advanced learning and research. Located on the University of Chicago campus, TTIC has a strong working relationship with U of C.

The RAP Role

The RAP position is a three-year position, with a salary and a discretionary research budget paid from TTIC's endowment. Learn more at ttic.edu/research-assistant-professor/.

Learn More

To learn more about opportunities at TTIC, please visit the full-text ads under both "professional" and "postdoctoral" job types in the CRA jobs site, and visit TTIC's faculty hiring page: ttic.edu/faculty-hiring/

6045 South Kenwood Ave | Chicago, IL 60637
www.ttic.edu | @ttic_connect

embraces inclusion, diversity, equity, and accountability. Diverse perspectives, talents, and identities are vital to accomplishing our mission and living our core values.

Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Texas A&M University

Academic Professional Track (Non-Tenure): Lecturer of Statistics

The Department of Statistics at Texas A&M University invites applications for an Academic Professional Track faculty position for appointment as Lecturer of Statistics. This appointment will be non-tenure track and will begin on January 16, 2023. Duties and responsibilities include teaching up to 4 undergraduate courses (per semester) or possibly higher-level courses depending on the applicant's qualifications. This is a temporary position with a 4.5-month faculty appointment, with the potential of becoming a permanent, full-time position.

The successful applicants should have a doctorate in statistics or a related field and previous experience in teaching at the undergraduate level is required. Candidates with a MS in statistics and more than 2 years of teaching experience will also be considered. Interested applicants should send a current cv, a teaching statement, summary of teaching experience and three professional references.

To apply, please visit *https://apply.interfolio.com/108910*. Review of applicants will begin immediately.

For questions, email inquiries to Dr. Alan Dabney, Search Committee Chair, at *hiring@stat.tamu.edu*.

Transylvania University

Assistant Professor of Computer Science

Transylvania University invites applications for the position of Assistant Professor of Computer Science. This is a tenure-track, in-person position, beginning September 1, 2023. The ideal candidate will have expertise in database management systems, cybersecurity, data analytics, or graphics. Applicants with an interest in interdisciplinary elements of Computer Science are particularly encouraged, especially regarding racial and gender biases in computer technology.

Please view the job openings link at *http://www.transy.edu/jobs*.

Tufts University

Multiple Open Faculty Positions

The Department of Computer Science at Tufts University invites applications for multiple open faculty positions. For more information about the department or these positions, please visit *http://go.tufts.edu/CSpositions*. Throughout their application, candidates are encouraged to demonstrate their attention to diversity and inclusion as these topics relate to teaching, research (as applicable), and engagement within the academic environment. Women, African American/Black, Hispanic/Latinx, and Native American/Alaskan Native candidates are welcome and strongly encouraged to apply. The department especially values candidates who have an interest in civic engagement, social impact, and the betterment of society.

Tenure-track faculty position in Theoretical Computer Science, and Any Area with Leadership Potential, starting in Fall 2023. We seek candidates for multiple, tenure-track faculty positions. We are interested in candidates at the Assistant or Associate Professor level with research in Theoretical Computer Science. We are seeking those who conduct research advancing the design and analysis of algorithms, computational complexity, and/or the rigorous experimental study and application of algorithms to other areas within and outside computer science. We also seek candidates for the Ada Lovelace Professorship, in any area and at any rank. Candidates for this professorship must demonstrate strong leadership potential. Mid-career, new or established Associate Professors or recently promoted Full Professors are preferred. The Lovelace Professorship title is for a 5-year term, after which the candidate will continue as a faculty member at the same rank. Exceptional candidates not matching either the Theory or the Lovelace position descriptions will also be considered. Please submit your application through Interfolio at *https://apply.interfolio.com/112019*. Review of applications will begin December 15, 2022 and will continue until the position is filled. Inquiries should be emailed to *ttsearch@cs.tufts.edu*.

Online teaching-track faculty position starting Spring or Fall 2023. We seek candidates at the rank of Assistant, Associate, or Full Teaching Professor. The primary responsibility for this position will be teaching and curriculum development

for the department's Online MS and Post Baccalaureate programs, though the candidate may also, but is not required to, teach in our in-person program. Candidates may have expertise in any area of computer science or a closely related field. They are expected to have strong foundational knowledge in one or more areas of our core curriculum, including Data Structures, Algorithms, Programming Languages, and Computation Theory. This is a full-time, non-tenure-track position. The initial appointment is for two years, with possible renewal contingent on annual performance review results. A doctoral degree is preferred but not required. Please submit your application through Interfolio at *https://apply.interfolio.com/111036*. Applications are due December 15, 2022, but review of applications will begin October 15, 2022 and continue until the position is filled. Inquiries should be emailed to *cssearch@cs.tufts.edu*.

Adjunct faculty positions. We conduct an ongoing search for qualified part-time lecturers for in-person and online courses. Submit your application at https://apply.interfolio.com/109976.

About Tufts. The Tufts CS department has grown significantly in the past decade in faculty, student size, and research funding. The department recently moved into the brand-new Joyce Cummings Center, which is also the home of Math, Economics, the Data Intensive Studies Center, and the Derby Entrepreneurship Center. Tufts offers the best of a liberal arts college atmosphere coupled with the intellectual and technological resources of an R1 research university. We support and encourage a culture of interdisciplinary research, and there are numerous such opportunities within the university. Located only six miles from historic downtown Boston, faculty members on the Tufts Medford/Somerville campus have extensive opportunities for academic and industrial collaboration outside of Tufts as well as participation in the rich intellectual life of the area.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. See the University's Non-Discrimination statement and policy at *https://oeo.tufts.edu/policies-procedures/non-discrimination/*. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling the Office of Equal Opportunity (OEO) at 617-627-3298 or at *oeo@tufts.edu*. Applicants can learn more about requesting reasonable accommodations at *http://oeo.tufts.edu*.

University of Alberta

Contract Lecturer

This position is a part of the Association of the Academic Staff of the University of Alberta (AASUA). Salary will be commensurate with experience in accordance with the *Academic Teaching Staff (ATS) agreement*.

Position Summary

The Department of Computing Science invites applications for a full-time, term Contract Lecturer. Currently, the list of courses contract lecturers may be required to teach (all or part of) includes:

CMPUT 101 - Introduction to Computing
CMPUT 174 - Introduction to the Foundations of Computation I
CMPUT 175 - Introduction to the Foundations of Computation II
CMPUT 191 - Introduction to Data Science
CMPUT 201 - Practical Programming Methodology
CMPUT 204 - Algorithms I
CMPUT 229 - Computer Organization and Architecture I
CMPUT 272 - Formal Systems and Logic in Computing Science
CMPUT 291 - Introduction to File and Database Management

Information on the courses above can be found in the course listings of the 2022-2023 calendar: *https://calendar.ualberta.ca/*

Other courses may be considered as conditions change, and depending on the qualifications of the candidate.

These appointments require either an M.Sc. or a Ph.D. degree in a relevant discipline and preference will be given to candidates with successful teaching experience.

If you are a Canadian/Permanent Resident/have an open work permit, and are interested in being considered for this position, please provide a C.V. and a cover letter outlining your teaching experience and mentioning the course(s) and/or subject areas for which you would like to be considered. Please include the names of two references who are willing to give information on your teaching experience and abilities.

Application and questions about the above should be sent to *csacu@ualberta.ca* using "Lecturer Position" as the subject.

Professional Opportunities

University at Buffalo

Assistant Professor, Associate Professor, or Full Professor

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for multiple positions at the level of Assistant Professor, Associate Professor, or Full Professor. We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels, and maintain an active research program. The successful candidate for an Associate Professor or Full Professor position should have a record of scholarly accomplishments, teaching experience, and a sustained externally funded research program. All areas of research expertise that complement the existing research strengths in the department will be considered. Preference will be given to candidates in the following areas: (1) mobile systems; (2) security and privacy; (3) machine learning; and (4) theory and algorithms; but applicants in all areas of computer science and engineering are encouraged to apply.

Apply Here: *https://www.ubjobs.buffalo.edu/postings/37335*

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, *https://www.abet.org*), and computer engineering (accredited by the Engineering Accreditation Commission of ABET, *https://www.abet.org*), a combined 5-year BS-MS program, a minor in computer science, a Certificate in Data-Intensive Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary – Cognitive Science Concentration, BS in Bioinformatics and Computational Biology – CSE concentration) as well as MS and PhD programs in Computer Science & Engineering.

The department currently has over 50 faculty, including 14 teaching faculty, approximately 1,800 undergraduate majors, 900 masters' students and 150 PhD students. Over 15 junior faculty members have been hired since 2015, and we are continuing to expand. Two members of our faculty currently hold key university leadership positions, and nine members of our faculty are IEEE and/or ACM Fellows. The department is well known for offering an excellent collaborative and nurturing environment for faculty. A cohort of five junior faculty received the NSF CAREER awards in 2019, setting a national record.

Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering; computer vision and multimedia systems; database systems; document analysis and recognition; programming languages; high-performance computing; cybersecurity; embedded, networked and distributed systems; machine learning and artificial intelligence; connected and autonomous vehicles and sustainable transportation; and theory of computation. Our faculty has an excellent publication record.

Since 2015, the department has moved up its rank to be among the top 35 on csrankings.org and is among the top 25 in two recent years (2017 and 2019). During the same period, our research expenditure has grown from $4.5 million (for AY 2015-2016) to $7.1 million (AY 2021-2022).

The University at Buffalo (UB), a member of the prestigious Association of American Universities (AAU), is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate and professional students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost of living.

The University at Buffalo is an affirmative action/equal opportunity employer (AA/EOE).

Professional Opportunities

University at Buffalo

Assistant Professor of Teaching

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for the positions of Assistant Professor of Teaching (Lecturer). We are looking for candidates who have a passion for teaching and can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

Lecturers have both teaching (80%) and service (20%) obligations. While there is no research requirement, lecturers are welcome to pursue research and funding opportunities. Within the SUNY system lecturers have indefinitely renewable term appointments of up to 3 years at a time. Lecturers are voting members of the faculty and are eligible for full benefits.

Duties include teaching and development of computer science and computer engineering courses at both the undergraduate and graduate level; service which may include student advisement; industry internships; laboratory and instrumentation upgrades; student excellence initiatives; program assessment and accreditation; diversity enhancement; and external educational grant support in collaboration with the CSE Undergraduate and Graduate Studies Committees.

Successful candidates will help support the establishment of a new course-based MS program. We are hiring for four positions. While all successful candidates are expected to have the ability to teach broadly across a computer science curriculum, we seek candidates with specialized expertise as follows:

Posting #1 The candidate will have a particular expertise in Artificial Intelligence (esp. Computer Vision and Deep Learning). Apply here:

https://www.ubjobs.buffalo.edu/postings/36692

Posting #2 The candidate will have a particular expertise in Computer Systems (esp. Databases, OS, Networking, and Architecture). Apply here:

https://www.ubjobs.buffalo.edu/postings/36148

Posting #3 The candidate will have a particular expertise in Algorithms and Computer Security. Apply here:

https://www.ubjobs.buffalo.edu/postings/36683

Posting #4 The candidate will have a particular expertise in optimal-control and working with large stochastic systems, reinforcement learning, machine learning and deep learning, as well optimal control in multi-agent systems. Apply here:

https://www.ubjobs.buffalo.edu/postings/36175

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, *https://www.abet.org/*), and in computer engineering (accredited by the Engineering Accreditation Commission of ABET, *https://www.abet.org/*), a combined 5-year BS-MS program, a minor in computer science, a Certificate in Data-Intensive Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary - Cognitive Science Concentration, BS in Bioinformatics and Computational Biology - CSE concentration) as well as MS and PhD programs in Computer Science & Engineering.

The department currently has over 50 faculty, including 15 teaching faculty, approximately 1,200 undergraduate majors, 550 masters' students and 160 PhD students. Over twenty junior faculty members have been hired since 2010, and we are continuing to expand. Two members of our faculty currently hold key university leadership positions, and eight members of our faculty are IEEE and/or ACM Fellows. The department is well known for offering excellent collaborative and nurturing environment for faculty. A cohort of five junior faculty received the CAREER awards in 2019, setting a national record.

Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering; computer vision and multimedia systems; database systems; document analysis and recognition; programming languages; high performance computing; cybersecurity; embedded, networked and distributed systems; machine learning and artificial intelligence; connected and autonomous vehicles and sustainable transportation; and theory of computation. Our faculty has an excellent publication record.

Professional Opportunities

Since 2015, the department has moved up its rank to be among the top 40 on csrankings.org and is among the top 25 in two recent years (2017 and 2019). During the same period, our research expenditure has grown from $4.5 million (for AY 2015-2016) to $6.3 million (AY 2019-2020).

The University at Buffalo (US), a member of the prestigious Association of American Universities (AAU), is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate and professional students and 1600 full-time faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost-of-living.

The University at Buffalo is an affirmative action/equal opportunity employer (AA/EOE).

University of California Irvine

Open Faculty Position

The Department of Electrical Engineering & Computer Science is currently looking for an Assistant, Associate, or Full Professor in Autonomous Systems.

Areas of interest will range across all possible topics including, but not limited to:

- Machine vision for robotics
- Autonomous air-vehicles and sensing fusion
- Field and algorithmic robotics
- Human-robot/swarm interaction
- Assured and long-term autonomy

Apply now: *https://recruit.ap.uci.edu/JPF07686*

Information about the department is available at: *https://engineering.uci.edu/dept/eecs*

University of California, Los Angeles

Assistant Professor Computational Social Science

The University of California, Los Angeles (UCLA) Department of Communication invites applications for a tenure track appointment at the level of Assistant Professor with an emphasis on developing and/or applying computational social science methods to study communication. Potential areas of research include (but are by no means limited to) agent-based or other computational modeling, network science, machine learning, artificial intelligence, natural language processing, analysis of large audio and/or video datasets, gathering and analysis of digital trace data, and the use of virtual lab or field experiments.

Interested candidates should view full posting and submit application materials via UC Recruit at: *https://recruit.apo.ucla.edu/apply/JPF07843*.

University of California, Merced

Assistant Professor in Computer Science & Engineering

The Department of Computer Science and Engineering at UC Merced seeks applicants for a tenure-track position at the Assistant Professor level beginning July 1, 2023. Priority will be given to candidates in the areas of: Artificial Intelligence; Computer Graphics and Animation; Cryptography; Data Science and Engineering, including Databases, Data Management, Data Mining; Game Computing; Machine Learning; Natural Language Processing; Operating Systems; Programming Languages; Quantum Computing; Robotics; Security and Privacy; Software Engineering; Theoretical Computer Science; and Virtual/Augmented Reality. However, exceptional candidates in all areas will be considered.

The Department seeks candidates who demonstrate both a record of outstanding scholarship and contributions to diversity, equity, and inclusion. We are particularly interested in attracting candidates who can contribute to the growing diversity

and excellence of the community through their teaching, scholarship, and service.

The position will remain open until filled. However, to ensure consideration, applications should be received by November 15, 2022.

Applications will be submitted via *https://aprecruit.ucmerced.edu/JPF01423*.

Starting dates are negotiable.

Inquiries and questions should be sent to *csesearch@ucmerced.edu*.

University of California, Merced

Assistant Teaching Professor in Computer Science & Engineering

The University of California, Merced invites applications for a qualified Assistant Teaching Professor to coordinate and teach undergraduate courses in Computer Science and Engineering. We seek candidates who have demonstrated that they are promising educators, and who are interested in a teaching-focused career.

The job title is also known as Lecturer with Potential Security of Employment (LPSOE). This series parallels that of the research-focused series but with emphasis upon excellence in teaching and other instruction-related activities. Individuals in the position are expected provide outstanding teaching; maintain an active program of pedagogical and/or disciplinary scholarship; and perform service related to the pedagogical mission of the department and university. This appointment confers membership in the Academic Senate, and, contingent upon promotion, tenure-paralleling security of employment. We are particularly interested in attracting academically and culturally diverse candidates, especially those who have engaged in activities or efforts to educate a broad and diverse group of students and have worked to increase the participation and success of students from groups underrepresented in computer science.

The position will remain open until filled. However, to ensure consideration, applications should be received by November 15, 2022.

Applications will be submitted via *https://aprecruit.ucmerced.edu/JPF01422*.

Inquiries and questions should be sent to *csesearch@ucmerced.edu*.

University of California, Riverside

Tenured Track Faculty Positions

The Department of Computer Science and Engineering in the Bourns College of Engineering at the University of California, Riverside invites applicants to tenure-track and tenured positions. We are particularly interested in the areas of Robotics, Graphics, Visualization, Augmented/Virtual Reality, and Computer Science. In addition, the department is looking to hire a senior faculty member with a well-established, highly visible profile, in the area of operating systems and/or computer systems security. More details on the robotics position are also available in a separate ad that refers to this specific position at *http://www.engr.ucr.edu/hireme*.

Appointments are expected to begin on July 1, 2023.

To apply for the position interested individuals are required to submit a cover letter, a curriculum vitae, three letters of reference or contact information for three references, a Statement of Research, a Statement of Teaching, and a Contribution to Diversity Statement to the AP Recruit website at *https://aprecruit.ucr.edu/JPF01630*, *https://aprecruit.ucr.edu/JPF01631*, *https://aprecruit.ucr.edu/JPF01632* and *https://aprecruit.ucr.edu/JPF01633* by December 1, 2022, for full consideration.

Inquiries can be directed to *search@cs.ucr.edu*

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy (*https://policy.ucop.edu/doc/5000695/SARS-CoV-2_Covid-19*). All Covered Individuals

under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. Please refer to Appendix F, Section II.C. of the policy for the deadlines applicable to new University of California employees. Federal, state, or local public health directives may impose additional requirements.

University of California, Riverside

Open Rank Faculty Positions

The Department of Electrical and Computer Engineering and the Department of Computer Science and Engineering at the University of California, Riverside invite applications for multiple open-rank faculty positions in the area of Robotics with emphasis on all computational aspects, including perception, computer vision, planning, learning, and formal methods for robotics. Exceptional candidates in other related areas will also be considered.

Appointments are expected to begin July 1, 2023. Applications should be submitted to *https://aprecruit.ucr.edu/JPF01633* by December 1, 2022 for full consideration. Inquiries can be directed to *ecehiring@ece.ucr.edu* or *search@cs.ucr.edu*.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy (*https://policy.ucop.edu/doc/5000695/SARS-CoV-2_Covid-19*). All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. Please refer to Appendix F, Section II.C. of the policy for the deadlines applicable to new University of California employees. Federal, state, or local public health directives may impose additional requirements.

University of California San Diego

Assistant Teaching Professor – CSE

The University of California San Diego Computer Science and Engineering Department seeks applications for an Assistant Teaching Professor (formal title Lecturer with Potential Security of Employment). Teaching Professors are full members of the academic senate and are eligible for Security of Employment, analogous to tenure. Teaching Professors have an increased emphasis on teaching while maintaining an active program of educational and/or disciplinary scholarship. The normal teaching load expected for Teaching Professors is two courses per quarter at the undergraduate and/or graduate level.

We seek candidates who have demonstrated that they are promising computer science and engineering educators, and who are interested in a teaching-focused career. Candidates who have engaged in activities or efforts to educate a broad and diverse group of students and worked to increase the participation and success of students from groups underrepresented in computer science are preferred.

An active scholarship program is expected. Applicants must have an expectation of completing a Ph.D. in computer science and/or CS education or a related area by July 1, 2023. Applicants should have prior teaching experience as a TA, lead instructor, or other comparable experience.

UC San Diego is deeply committed to education and is a leader in undergraduate computer science education at a large scale. More information about the CSE department and its Teaching Faculty can be found at *http://www.cse.ucsd.edu/* and *https://csed.eng.ucsd.edu/*.

We encourage candidates to send applications as soon as possible. Applications submitted by October 15, 2022 will receive full consideration; review will continue until the position is filled.

To apply and/or more information, please visit: *https://apol-recruit.ucsd.edu/JPF03253*

Professional Opportunities

UC San Diego is an Equal Opportunity/ Affirmative Action Employer with a strong institutional commitment to excellence through diversity.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.

University of Chicago

Instructional Professor (open rank)

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for teaching positions for the position of Instructional Professor (open rank). The selected candidate will be appointed as Assistant Instructional Professor, Associate Instructional Professor, or Instructional Professor, depending on qualifications. The appointment will be for a term of up to five years, renewable. This is a career-track position with potential progression, competitive salary, and benefits, with time allocated for professional development. This position is expected to begin in academic year 2023-2024.

The terms and conditions of employment for this position are covered by a collective bargaining agreement between the Service Employees International Union (SEIU) and the University.

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science. We seek individuals who can help us fulfill our educational objectives. Position responsibilities include teaching (average teaching load is two courses per quarter in the fall, winter and spring quarters) and non-classroom instructional or service duties as needed.

Qualifications

Candidates must have either:

- A doctorate in Computer Science or a related field at the time of appointment or;
- A master's degree and 4 years of relevant professional experience.

At least one year of prior university-level teaching experience, either as an instructor of record or as a teaching assistant, is required.

Candidates who are qualified to teach courses in one or more of the following areas are preferred: introduction to programming, computer systems, databases, data engineering, algorithms, discrete mathematics and machine learning.

Application Instructions

Applications must be submitted online through the University of Chicago's Academic Jobs website: *apply.interfolio.com/112089*.

Review of applications will begin on October 1, 2022 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae
- description of teaching philosophy and experience. Must include a list of courses that the candidate is qualified to teach;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

Optional: Candidates may submit teaching evaluations.

Equal Employment Opportunity Statement

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at *https://provost.uchicago.edu/statements-diversity*.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/ Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-834-3988 or email *equalopportunity@uchicago.edu* with their request.

University of Chicago

Senior Instructional Professor (open rank)

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for a Senior Instructional Professor rank position. The selected candidate will be appointed as Associate Senior Instructional Professor or as Senior Instructional Professor with rank determined by qualifications and years of experience in a similar role. The appointment will be for a term of up to five years, renewable. This is a career-track position with competitive salary and benefits.

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science activities including a newly-opened, state-of-the-art home for the Department of Computer Science.

Position responsibilities include supervision, training, evaluating and disciplining of Instructional Professor rank appointees in Computer Science and other administrative duties, as well as teaching (up to four courses per academic year).

Qualifications

A Ph.D. in Computer Science or a related field is required; two years' experience teaching at a college or university as an instructor of record is required; and experience in management of academic personnel is required.

Preference will be given to candidates whose training and experience make them exceptionally qualified to teach undergraduate courses and develop curriculum in one or more of the following areas: data science, machine learning, artificial intelligence, and applied statistics.

Application Instructions

Applications must be submitted online through the University of Chicago's Academic Jobs website: *apply.interfolio.com/112415*.

Review of applications will begin on October 15, 2022 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae, including a list of publications;
- description of teaching philosophy and experience; must include a list of courses that you are qualified to teach;
- description of experience in managing academic personnel;
- at least three teaching evaluations from at least two distinct classes;
- applicants are required to request at least three confidential letters of recommendation via Interfolio.

Equal Employment Opportunity Statement

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at *https://provost.uchicago.edu/statements-diversity*.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-834-3988 or email *equalopportunity@uchicago.edu* with their request.

University of Chicago

Computer Science Phoenix STEM Instructional Professor

The Physical Sciences Collegiate Division at the University of Chicago is accepting applications for an Instructional Professor (IP) (rank commensurate with experience) to be part of the Phoenix STEM Program team. Phoenix STEM is a new program whose goal is to promote the success of historically under-represented and first-generation students in STEM majors at the University of Chicago. The Computer Science Phoenix STEM IP will be trained to teach collaborative learning workshops to help students succeed in introductory computer science and in theoretical computer science courses in the Computer Science major. Anticipated topics are introductory programming,

discrete mathematics, and algorithms. This position reports to the Phoenix STEM program director and the Director of Undergraduate Studies for Computer Science. The start date is flexible, but expected to be between January 1 and July 1, 2023. This is a career-track position with potential progression, competitive salary, and benefits, with time allocated for professional development.

Qualifications

The successful candidate will have a Ph.D. in an area of Computer Science and at least 2 years of teaching experience. Candidates with knowledge and experience in inclusion and diversity in STEM are particularly encouraged to apply.

Application Instructions

To apply for this position candidates must submit their application through the University of Chicago's Interfolio jobs board at *http://apply.interfolio.com/113276*, and upload a current curriculum vitae, syllabus and teaching evaluations from one to two courses, a one page teaching statement and the names and contact information of three references. This job will be posted until filled.

The terms and conditions of employment for this position are covered by a collective bargaining agreement between the Service Employees International Union (SEIU) and the University.

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at *https://provost.uchicago.edu/statements-diversity*.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email *equalopportunity@uchicago.edu* with their request.

University of Colorado Boulder

Assistant or Associate Professor in Marketing

The **Leeds School of Business** at the University of Colorado Boulder is hiring one tenure-track, **Assistant or Associate Professor** position in Marketing for Fall 2023.

Job duties include research, teaching, and service to the University and profession. The Marketing Division is particularly interested in quantitative candidates with empirical modeling expertise and capable of major research contributions.

Candidates must hold a PhD or be close to completion of a PhD (ABD) from an accredited institution in Marketing or a related field; and have demonstrated superior accomplishments, including scholarly research, teaching ability, promise of future contributions, and effective interaction with faculty colleagues, students and external constituents.

All applications must be submitted electronically:

https://jobs.colorado.edu/jobs/JobDetail/?jobId=42329

University of Georgia

Lecturer Position in Computer Science

The School of Computing at the University of Georgia invites applications for four full-time, non-tenure track Lecturer positions starting August 2023. The responsibilities of each position include teaching foundational courses in the undergraduate major. Lecturer candidates should hold a Ph.D. degree in Computer Science or a related field. Scholarly credentials should reflect a strong commitment to teaching computer science courses at the undergraduate level. This rank has opportunity for promotion to Senior Lecturer and Principal Lecturer.

The School of Computing (SoC) is a growing and congenial department of 34 faculty within the Franklin College of Arts and Sciences and the College of Engineering. The SoC has nearly 1,500 undergraduate students, more than 235 graduate students, and offers the B.S., M.S., and Ph.D. degrees in Computer Science, as well as a B.S. and M. S. degrees in Data Science, and an MS degree in Cybersecurity and Privacy.

Professional Opportunities

Please see *computing.uga.edu* for more information about the department and the university.

The School of Computing and the University of Georgia are committed to increasing the diversity of its faculty and students, and to sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans, and individuals with disabilities are encouraged to apply. The University of Georgia is an Equal Opportunity/ Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (*hrweb@uga.edu*). Please do not contact the department or search committee with such requests.

The University of Georgia (UGA), a land-grant and sea-grant university with statewide commitments and responsibilities, is the state's oldest, most comprehensive, and most diversified institution of higher education (*http://www.uga.edu*). UGA is currently ranked among the top 16 public universities in U.S. News & World Report.

To apply, please go to *www.ugajobsearch.com/postings/279979*. Please upload a cover letter, curriculum vitae, and short statements of teaching portfolio/philosophy. Please provide the names and emails for three references as part of your application.

All applications received by November 15, 2022, will receive full consideration.

University of Houston

Instructional Assistant/Associate Professor

The University of Houston invites applications for one instructional assistant or associate professor position in the general area of data science/analytics that can contribute to teaching of fundamental computer science courses at the undergraduate level, particularly in the areas of data structures and algorithms, computer organization and architecture, operating systems, and software engineering. The appointment will begin September 1, 2023, in the Department of Computer Science. Candidates must demonstrate an ability to coordinate and teach undergraduate lecture and laboratory courses in Computer Science along with engagement in curricular and instructional innovation, scholarship of teaching, student recruitment, advising and service. Recruited faculty member will be encouraged and mentored to pursue research and collaborate with existing faculty members in the department pursuing research in data sciences. Moreover, the new faculty member will be encouraged to focus on teaching innovations in the classroom and to lead efforts in improving curricula across all courses in Computer Science.

The University of Houston draws on the strengths of a diverse community of students, faculty, and staff to enrich the educational experience, broaden participation in computing, and meet the needs of emerging technology. We have one of the most diverse student bodies in the nation and are committed to actively recruit and retain a diverse community of scholars. We welcome candidates whose experience in teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence. Individuals with a history of and commitment to mentoring students from underrepresented minorities are encouraged to apply. The Department is particularly interested in candidates who have experience working with students from a diverse background and a demonstrated commitment to improving access to higher education for disadvantaged students. Experience in mentoring women and minorities in STEM fields is desired. The University is a designated Hispanic Serving Institution and has been recognized as the second most racially and ethnically diverse research institution in the nation. The University of Houston is an ADVANCE institution, one of a select group of universities in receipt of National Science Foundation funds in support of our commitment to increase the number and success of women faculty in the STEM fields. The University of Houston is responsive to the needs of dual career couples. Underrepresented minorities and women are strongly encouraged to apply. To ensure full consideration, please submit your application materials by January 6, 2023. For enquires about this position, prospective applicants are encouraged to contact the computer

science department chair, Prof. Shishir Shah (*sshah@central.uh.edu*).

Qualifications

A Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline is required Applicants must complete their degree before the starting date of the appointment. Demonstrated ability to teach effectively in-person, online, or in blended learning.

University of Houston

Assistant Professor

The Department of Computer Science at the University of Houston (*www.cs.uh.edu*) invites applications for two tenure-track assistant professor positions starting in Fall 2023. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding as Principal Investigator (PI). Candidates working on theoretical or practical aspect of the following areas are encouraged to apply: (1) Security, (2) IoT, and (3) High Performance Computing or Big Data Systems. Applicants should hold a doctoral degree in Computer Science, Computer Engineering, or a closely related field.

Exceptional candidates are sought to join our fast-growing department and academic programs. Research expertise in any promising area related to computer systems, security, big data systems, and IoT will be considered including applied research relevant to applications in smart cities/communities, infrastructure, and secure systems. University of Houston launched an ambitious strategic plan to expand its research operations and strengthen its innovation ecosystem. Five institutional research thrusts alongside university-level institutes have been established to address number of research challenges aimed at solving societal challenges (*https://uh.edu/research/about/thrusts*). The recruited faculty member will have an opportunity to collaborate with existing researchers and newly recruited faculty members.

The University of Houston draws on the strengths of a diverse community of students, faculty, and staff to enrich the educational experience, broaden participation in computing, and meet the needs of emerging technology. We have one of the most diverse student bodies in the nation and are committed to actively recruit and retain a diverse community of scholars. We welcome candidates whose experience in teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence. Individuals with a history of and commitment to mentoring students from underrepresented minorities are encouraged to apply. The Department is particularly interested in candidates who have experience working with students from a diverse background and a demonstrated commitment to improving access to higher education for disadvantaged students. Experience in mentoring women and minorities in STEM fields is desired. The University is a designated Hispanic Serving Institution and has been recognized as the second most racially and ethnically diverse research institution in the nation. The University of Houston is an ADVANCE institution, one of a select group of universities in receipt of National Science Foundation funds in support of our commitment to increase the number and success of women faculty in the STEM fields. The University of Houston is responsive to the needs of dual career couples. Underrepresented minorities and women are strongly encouraged to apply. To ensure full consideration, please submit your application materials by January 6, 2023. For enquires about this position, prospective applicants are encouraged to contact the computer science department chair, Prof. Shishir Shah (*sshah@central.uh.edu*).

University of Illinois Chicago

Teaching Track Faculty Openings in Computer Science

About the University of Illinois at Chicago

UIC is among the nation's preeminent urban public research universities, a Carnegie RU/VH research institution, and the largest university in Chicago. UIC serves over 34,000 students, comprising one of the most diverse student bodies in the nation and is designated as a Minority Serving Institution (MSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and a Hispanic Serving Institution (HSI). Through its 16 colleges, UIC produces

nationally and internationally recognized multidisciplinary academic programs in concert with civic, corporate and community partners worldwide, including a full complement of health sciences colleges. By emphasizing cutting-edge and transformational research along with a commitment to the success of all students, UIC embodies the dynamic, vibrant and engaged urban university. Recent "Best Colleges" rankings published by U.S. News & World Report, found UIC climbed up in its rankings among top public schools in the nation and among all national universities. UIC has nearly 260,000 alumni, and is one of the largest employers in the city of Chicago.

Teaching Track Faculty Openings in Computer Science

The Computer Science Department at the University of Illinois Chicago (UIC) seeks to hire full-time teaching faculty (Lecturer or Clinical Professor). Candidates would work alongside 17 full-time teaching faculty with over 150 years of experience and 13 awards for excellence. Standard teaching load is three course sections per semester.

UIC is one of the top-ten most diverse universities in the US (US News and World Report), a top 25 public and top 10 best value (Wall Street Journal and Times Higher Education), and a Hispanic-serving institution. The department seeks candidates interested in all areas of computer science.

Submit applications online at *https://jobs.uic.edu*.

Include:

- A curriculum vitae,
- Contact information for at least three references,
- One-page statement on your teaching philosophy and how it is inclusive to a diverse student population,
- Recordings of teaching activities (optional), and
- recent teaching evaluations (optional).

For more information, send e-mail to *cs-ntt-search@uic.edu*.

For fullest consideration, apply by 11/17/22. Applications will be accepted and reviewed until the positions are filled.

Qualifications:

The Lecturer track is a long-term career track that starts with Lecturer and offers opportunities for advancement to Senior Lecturer. Minimum qualifications include an MS in Computer Science or a closely related field.

The Clinical Professor track is a long-term career track that starts with Clinical Assistant Professor and offers advancement to Clinical Associate and Clinical Full Professor. Minimum qualifications include a PhD in Computer Science or a closely related field. Candidates interested in Computer Science Education research or collaborating in the department's existing Computer Science research are encouraged to apply.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, protected veteran status, or status as an individual with a disability.

Offers of employment by the University of Illinois may be subject to approval by the University's Board of Trustees and are made contingent upon the candidate's successful completion of any criminal background checks and other pre-employment assessments that may be required for the position being offered. Additional information regarding such pre-employment checks and assessments may be provided as applicable during the hiring process.

As a qualifying federal contractor, the University of Illinois System uses E-Verify to verify employment eligibility.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit here.

University of Illinois faculty, staff and students are required to be fully vaccinated against COVID-19. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable University processes.

University of Iowa

Assistant Professor (Tenure Track) and/or Lecturer (Instructional Track) of Computer Science

The University of Iowa Computer Science Department invites applications for

multiple tenure- and instructional-track positions effective August 2023. The Department's roughly 20 faculty are actively engaged in research in four thematic areas: algorithmic foundations; health- and human-centric computing; social computing and public policy; and verifiable, dependable, and high-performance systems.

We are seeking creative and collaborative scholars from all areas of Computer Science interested in working in a collegial, supportive, and multidisciplinary environment. We are particularly interested in tenure-track candidates who complement and strengthen our current research presence as described by the four thematic areas mentioned above, and instructional candidates who are able to teach broadly across the curriculum. These searches are part of a substantial new commitment of 10 new faculty lines from the College of Liberal Arts and Sciences to support significant expansion of the Department. The University has also committed to a complete renovation of MacLean Hall, the current home of Computer Science, with completion projected for 2025.

Requirements: Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Successful tenure-track candidates must demonstrate potential for research excellence in the environment of a major research university; all candidates must demonstrate potential for teaching excellence within the discipline. Prior record of scholarly publication in leading venues and prior teaching experience are desirable. Responsibilities for tenure-track faculty include conducting cutting-edge research in the candidate's area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service and outreach contributions to the Department, the College, the University, and the discipline; instructional faculty responsibilities prioritize classroom teaching, service, and outreach.

How to Apply: Applicants should submit a CV and contact information for three references: candidates for tenure-track positions should provide a research, teaching, and diversity statement, while candidates for instructional track positions should instead provide a teaching and diversity statement.

For additional information and to apply online, visit *http://www.cs.uiowa.edu/jobs/*.

Applications received by January 1, 2023 are assured of full consideration.

Computer Science at the University of Iowa: One of the oldest in the nation, the Computer Science Department is home to approximately 1000 undergraduate majors in four distinct degree programs (Computer Science, Informatics, Data Science, and Computer Science and Engineering), and just over 100 graduate students in our Computer Science and interdisciplinary Informatics programs. There are many ongoing research collaborations with the Carver College of Medicine, the College of Public Health, the College of Law, and the College of Education. The Department's annual research expenditures are approximately $3.5M.

With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 170,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over $650M.

The Department and the College of Liberal Arts and Sciences are strongly committed to diversity, equity and inclusion; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity/affirmative action employer.

University of Iowa requisition numbers 74574 (tenure track) and 74575 (instructional track).

University of Iowa

Tippie College of Business

Tenure/Tenure-Track Faculty Position(s) in Business Analytics

The Position(s)

The award-winning Department of Business Analytics in the Tippie College of Business at the University of Iowa invites

applications for one or more tenure-track faculty positions at all levels starting August 2023. We are excited to consider a broad range of fields within Analytics, including Applied Mathematics, Business Analytics, Computer Science, Industrial Engineering, Informatics/Information Sciences, Logistics, Management Science, Operations Management/Supply Chain, Statistics, or any related field. The successful candidate(s) will contribute to vibrant and growing programs at the graduate and undergraduate levels. Find more information and apply at *https://teach.tippie.uiowa.edu*.

Required Qualifications

- An earned doctorate or strong evidence that the doctoral degree will be completed before August 15, 2023 in Applied Mathematics, Business Analytics, Computer Science, Industrial Engineering, Informatics/Information Sciences, Logistics, Management Science, Operations Management/Supply Chain, Statistics, or any related field.
- Demonstrated potential for publishing high-quality research.

Desired Qualifications

- Demonstrated success in teaching is desirable.
- Demonstrated success working with diverse groups of students is desirable.

Application Instructions

Please submit your materials by using the University of Iowa online job application system at *http://jobs.uiowa.edu/jobSearch/faculty/*. Click on the listings for Tippie College of Business and select requisition #74571

UNLV

Assistant Professor of Cybersecurity in the Department of Management, Entrepreneurship, and Technology (MET), Lee Business School [R0132130]

ROLE of the POSITION
The Department of Management, Entrepreneurship, and Technology (MET) in the LEE Business School (LEE) at the University of Nevada, Las Vegas (UNLV) invites applications for a tenure-track Assistant Professor of Cybersecurity. This new faculty member will conduct research leading to high-quality refereed publications, teach in the cybersecurity and technology programs offered by the department, and perform service activities for the department, school, university, and the profession. Expectations are that the successful candidate will publish on subjects and topics related to cybersecurity in premier cybersecurity, information systems (IS), and/or business journals and/or premier journals in related disciplines (e.g., computer science, etc.). We also expect that the new faculty member will pursue and receive grants awarded by major federal (NSF, NIH, AHRQ, etc.), state, and other agencies and foundations, particularly on issues and topics related to cybersecurity. The successful candidate will enhance the department's teaching capabilities in cybersecurity and will be expected to teach as needed in the various graduate and undergraduate programs offered by the department, especially the interdisciplinary MS in Cybersecurity program. A full list of the various programs offered by the department is available at **https://www.unlv.edu/met/programs**.

MINIMUM QUALIFICATIONS
This position requires a Ph.D. in Information Systems, Computer Science, or a related field, from a regionally accredited college or university. The business school must be AACSB accredited if the applicant's PhD degree is from a business school. ABDs may be considered but credentials must be obtained prior to the start of employment.

The successful candidate will have a strong research program in Cybersecurity, as evidenced by publications (or advanced stages of revision) in premier journals and/or a successful history of receiving/submitting grants from noted federal or state agencies (such as NSF, NIH, AHRQ etc.) and a substantial research pipeline.

PREFERRED QUALIFICATIONS
Strong preference will be given to applicants who demonstrate advanced cybersecurity skills including: incident response, forensics, audit, risk management, security policy, privacy, applied cryptography, infrastructural security, authentication, secure software development process and analytics. Additional consideration will be given to candidates who have experience or have fulfilled the following additional preferences:

- Professional experience in cybersecurity
- Professional cybersecurity certifications
- Experience with cybersecurity tools and products

For more information, please visit **https://www.unlv.edu/jobs**

For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or **unlvjobs@unlv.edu**

EEO/AA/Vet/Disability Employer

University of Maryland, College Park

Open Rank Assistant/Associate/Professor of Data Visualization

The College of Information Studies at the University of Maryland, College Park (iSchool) (*https://ischool.umd.edu/*) invites applications for an open rank tenured or tenure track faculty position in the area of data visualization and visual analytics. The iSchool particularly seeks candidates whose scholarship and teaching interests are centered and focused on one or more of the following areas:

- Data visualization;
- Visual analytics;
- Ubiquitous, immersive, and situated analytics; and
- Human-computer interaction for visual data representations.

We seek a candidate whose work complements and extends the College's existing strengths in human-data interaction, novel devices for visualization, personal health visualization, accessible visualization, and visualization systems. While these areas of expertise are of particular interest, candidates with expertise and interest in other relevant topics in the area of data visualization and visual analytics are encouraged to apply.

iSchool invites interested professionals of all backgrounds to join our vibrant, collaborative, mission-driven organization. Candidates whose work recognizes the information norms and assets of marginalized communities particularly relating to the topics above are especially encouraged to apply. The successful candidate will engage in an active program of high-impact research, teach at the undergraduate and graduate level, provide research advising to students at all levels, and engage in service to the profession and shared governance within the university.

Position Summary

This is an open-rank, tenure-track or tenured appointment. Tenure-track Assistant Professors are appointed for three years, with potential renewal for three more years and tenure review. Rank and appointment type are based on a candidate's record. Salary and benefits are competitive and based upon qualifications. Tenure-track and tenured faculty typically have 9-month appointments, with opportunities for grant-funded research and university-funded teaching in the summer. For this position, the successful candidate will be involved in:

- Developing and conducting high-impact research agenda and disseminating research results;
- Designing and developing innovative information studies curricula;
- Crafting exceptional educational experiences for students;
- Contributing to relevant professional communities; and
- Participating in shared governance.

Hiring and appointment are subject to College and University approval.

To apply you will need to provide:

- A letter of interest that clearly describes your background and expertise in the area, requested rank (Assistant Professor/ Associate Professor/Professor), and the unique contributions you would make to the iSchool and the University of Maryland.
- A complete curriculum vitae (CV) with details on education, professional positions, and all research, university teaching, and service activities.
- A list of 3 professional references. For each reference include the person's title, institution, contact information (including phone number and email address), the capacity in which you know (or have known) this person, and how long you have known this person.
- A statement of your research interests and accomplishments; and
- A statement of your teaching experience and approach.

Minimum Qualifications

- A Ph.D degree at the time of appointment;
- Demonstrated research excellence with a rank-appropriate record of peer-reviewed research in information science, computer science, or related area; and
- Demonstrated effectiveness and innovation in teaching, as appropriate to rank

Preferred Qualifications

- Recognized for notable research projects, peer-reviewed publications, or other scholarly contributions as appropriate to rank;
- A record of, or potential for, securing external funding, as appropriate to rank;
- Teaching experience in related areas, as appropriate to rank; and
- A record of leadership contributions, as appropriate to rank.

Best Consideration Date: 12/15/2022

To apply please use the UMD ejobs link: *https://ejobs.umd.edu/postings/99435*

University of Massachusetts Amherst

FT & PT Teaching Faculty

The Manning College of Information & Computer Sciences (CICS) at the University of Massachusetts Amherst invites applications for multiple Teaching Faculty positions. We are currently searching for **full-time and part-time Teaching Faculty** in both informatics and computer science, but have a particular interest in computer systems, software engineering, data science, and health informatics.

Professional Opportunities

Rank and salary will be highly competitive and commensurate with qualifications and experience. For more information and to submit an application, please visit ***https://cics.umass.edu/jobs***. If you wish to be considered for more than one opening, please submit an application for each one.

Established in 2015, the Manning College of Information and Computer Sciences (CICS) is home to a U.S. News & World Report top twenty-five ranked computer science graduate program and a top-thirty ranked undergraduate program. Today, CICS has 74 faculty, including 40 faculty hired in the past five years. Research funding from industry and government exceeded $21 million in the past year. The college maintains significant research collaborations with more than 50 industry-leading technology companies. Its affiliated research centers include the Center for Intelligent Information Retrieval, the Center for Data Science, the Center for Smart and Connected Society, the Center for Knowledge Communication, the Computational Social Science Institute, and the Cybersecurity Institute. The college offers a world-class education, with 281 PhD students, 396 MS students, and 1732 undergraduate computer science and informatics majors. United by a revolutionary vision for computing research, education, and outreach—Computing for the Common Good—the CICS community is committed to inspiring and educating students from all backgrounds and experiences, and conducting research that improves the lives of the people of the Commonwealth and the world.

The University of Massachusetts Amherst is an Affirmative Action/ Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Memphis

Visiting Assistant/Associate Professor

The Department of Computer Science at the University of Memphis is seeking qualified candidates for the position of Visiting Assistant/Associate Professor, beginning Spring 2023. This is a one year appointment with possible extension, dependent on need and funds. The visiting professor will teach undergraduate/ graduate courses (primarily Data Science), participate in curriculum development and improvement, and advise students. Applicants should hold a PhD in computer science or a related field. College level teaching experience is preferred. Research in CS related areas is a plus.

The Department of Computer Science offers BS, MS, and PhD programs, as well as graduate certificates in Data Science and Cybersecurity and Information Assurance. The Department has been ranked 55th in the nation among CS departments with federally funded research.

University of Memphis is a top-tier research university with a Carnegie R1 designation. Known as America's Number 1 logistics hub, Memphis has been ranked as one of the "World's Greatest Places" by TIME, as America's 4th best city for jobs by Glassdoor, and America's 4th in "Best Cost of Living". Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

To apply, please visit ***https://workforum.memphis.edu/postings/33408*** . Include a cover letter, curriculum vitae, statement of teaching philosophy, and references.

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/ Affirmative Action employer committed to achieving a diverse workforce.

University of Michigan

Computer Science & Engineering Faculty Positions

Computer Science and Engineering (CSE) at the **University of Michigan** College of Engineering invites applications for multiple tenure-track and teaching faculty (lecturer) positions, as part of its aggressive long-term growth plan. We seek exceptional candidates in all areas across computer science and computer engineering and across all ranks. Qualifications include an outstanding academic record; an awarded or expected doctorate (or equivalent) in computer science, computer engineering, or a related area. We seek faculty members who commit to excellence in graduate and undergraduate education, will develop impactful, productive and novel research programs, and will contribute towards advancing a culture of diversity, equity and inclusion.

We will begin reviewing applications as soon as they are received, starting October

1st, 2022 and continuing throughout the year. For more details on these positions and to apply, please visit *https://cse.engin.umich.edu/about/faculty-hiring/*.

The University of Michigan is one of the world's leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with over 90 world-class faculty members, over 400 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation. More area information is available at *https://cse.engin.umich.edu/about/visit/area-information/*.

Michigan Engineers are world-class educators, researchers, students and staff who strive to build a people-first future. As part of the nation's number one public research institution, Michigan Engineering's mission is to provide scientific and technological leadership to the people of the world, develop intellectually curious and socially conscious minds, create collaborative solutions to societal problems, and promote an inclusive and innovative community of service for the common good.

Our vision, mission and values are supported by a people-first engineering framework that guides our work. As Michigan Engineers, we strive to apply excellent engineering fundamentals, integrated expertise and equity-centered values to reimagine what engineering can be, close critical gaps, and elevate all people. Information about our vision, mission and values can be found at: *http://strategicvision.engin.umich.edu/*.

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). Michigan Engineering models that commitment in our research, culture and collaborations. We seek to recruit and retain a diverse workforce as a reflection of that commitment. Learn more about DEI at Michigan Engineering: *https://www.engin.umich.edu/culture/diversity-equity-inclusion/*

CSE is firmly committed to DEI and improving our climate through transparent communication and effective action, as shown in our annual report: *https://cse-climate.engin.umich.edu/reports/climate-dei-reports/cse-climate-dei-report-20-21/*.

U-M COVID-19 Vaccination Policy: COVID-19 vaccinations, including boosters when eligible, are required for all University of Michigan students, faculty and staff across all campuses, including Michigan Medicine. This includes those working remotely. More information on this new policy is available on the Campus Blueprint website or the UM-Dearborn and UM-Flint websites.

The University of Michigan is an equal opportunity/affirmative action employer, and is responsive to the needs of dual career families.

University of Minnesota

Tenure-track Assistant Professor

The Department of Computer Science in the Swenson College of Science and Engineering at the University of Minnesota Duluth (UMD) invites applications for a tenure-track Assistant Professor that will begin on August 21, 2023. This is a full time, 9-month position. The successful candidate will establish an independent, externally funded research program, which includes mentorship of undergraduates and graduate students. The area of research specialization for this position is open and all areas are encouraged to apply. We do have specific needs to strengthen our computer security, computer science education, and computer systems areas. Additionally, our department is interested in supporting research scholars whose research contributes to diversity, inclusivity, and equity. The successful candidate will have teaching responsibilities in our lecture and laboratory courses. They will also contribute to graduate and undergraduate teaching, advising, and mentoring, while supporting diversity and inclusion and a commitment to justice. Service to the Department, College, and University is also expected. Candidates must have a Ph.D. in computer science or a related discipline by July 1, 2023. Experience with effective and innovative teaching methods, such as active learning, is preferred. Please see *https://z.umn.edu/scsecareers* for more information.

The Department of Computer Science is committed to providing engaging and contemporary learning environments for all students interested in the profession of computer science. Students work closely with our faculty on a wide array of multidisciplinary research topics and participate in opportunities to extend the reach of computer science in the community. The Bachelor of Science in Computer Science degree is accredited by

the Computing Accreditation Commission of ABET (*www.abet.org*). The M.S. degree, a two-year program in Computer Science, provides a firm foundation in research and applications in Computer Science.

We are especially interested in recruiting and retaining a diverse faculty to maintain the excellence of the Department, College, and University, and to offer students richly varied disciplines, perspectives, and ways of knowing and learning. The University of Minnesota Duluth values of justice, equity, diversity, and inclusion are essential to achieving excellence. We strongly encourage women, Indigenous, LGBTQIA+, Black, Latinx, Asian American, Hawaiian/Island Pacific, mixed race, and disabled scholars to apply. We favor candidates who can contribute to the College's distinctive educational objectives, which promote interdisciplinary perspectives and intercultural understanding with social responsibility and the ethical implications of knowledge and action.

We recognize that excellence in teaching and research form the basis for any successful candidate. To that end, we are implementing an anonymized search process. Please see *https://z.umn.edu/scsecareers* for a description of the application steps. Applications must include four documents: an anonymized research and teaching statement that is understandable to a non-specialist (1500 words/4 pages max); a statement that demonstrates a commitment to justice, equity, inclusion, and a diverse student population (1000 words/2 pages max); a curriculum vita; and a list of four professional references. Go to the University of Minnesota Job Site and search for job ID 350950. Please direct questions about this position to Dr. Arshia Khan (*csfacultysearch@d.umn.edu*).

Review of complete applications will start October 3, 2022, and continue until the position is filled.

The University of Minnesota Duluth campus is part of the University of Minnesota public university system and is the second largest research university within the U of M system. UMD is a comprehensive university of about 11,000 students located along the shores of Lake Superior. The Duluth campus is affiliated with the University of Minnesota College of Pharmacy and School of Medicine, and is home to the Natural Resources Research Institute, the Large Lakes Observatory, and the Advanced Materials Center. Duluth is also the site of a major US EPA Research Laboratory. A dynamic city situated on the hilly shores at the western tip of Lake Superior, Duluth was named Outdoor magazine's Best Outdoors Town, celebrating its access to the outdoors and to Lake Superior—the largest freshwater lake on earth by area. Duluth is home to hundreds of miles of biking, hiking, and skiing trails, including the Superior Hiking Trail, a 300+ mile trail intersecting Duluth, and the Duluth Traverse, an 85-mile multi-use biking and hiking trail stretching across town. In addition to the outdoors, the Twin Ports area has vibrant music, arts, crafts, and craft brewing scenes, and a variety of award-winning restaurants. Duluth is a truly wonderful place to live, with great schools, health care, and affordable housing. It mixes its historic small-town feel with a dynamic urban economy and many cultural offerings.

UMD is committed to supporting our colleagues. The University of Minnesota has a robust policy with respect to opportunity hires for partners. Parental leaves and on-campus child care are available. The Swenson College has a mentoring program to facilitate professional success. Swenson College Howard Higholt Professorships are also available to support outstanding tenure-track faculty who are committed to creating a more inclusive and equitable institution.

University of Nebraska at Omaha

Assistant/Associate Professor - Information Systems

Department: ISQA

Posting Number: 2022F-00137

Position Number: 62247; 65304

Contact person: Peter Wolcott (*pwolcott@unomaha.edu*)

To apply for position: *https://unomaha.peopleadmin.com/postings/15946*

Review of candidate material will begin on September 1, 2022 and will continue until the position is filled.

The Department of Information Systems and Quantitative Analysis (ISQA) invites applications for two positions for Assistant/Associate Professor with a desired start date of August 2023. The positions are open to all research areas. A strong candidate will be a highly qualified teacher and researcher in

the complex information environments that characterize today's organizations and societies. Areas of research interest include digital transformation, data analytics and data engineering, organizational technologies, health informatics, human-computer interaction, or social computing. The candidate should possess strong teaching and technical expertise in one or more areas that are central to information systems and quantitative analysis, such as information systems development, business intelligence, IT infrastructure, data analytics, data engineering, data governance, or machine learning. Candidates must possess an appropriate doctorate or ABD in Information Systems, or related discipline.

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its programs, activities, or employment. UNO is a VEVRAA Federal Contractor and an E-Verify employer.

University of New Orleans

Tenure-Track Assistant Professor Position in Computer Science

The Department of Computer Science at the University of New Orleans invites applications for a tenure-track Assistant Professor position starting in Spring 2023. Candidates with expertise in environmental informatics, cyber security and big data are especially encouraged to apply. Preference will be given to candidates whose interests and expertise augment existing strengths and exceptional candidates in any relevant area will be given due consideration.

The department hosts two research centers – the UNO Cyber Center (UNOCC) and the Canizaro Livingston Gulf States Center for Environmental Informatics (GulfSCEI) — and places a strong emphasis on both research and teaching excellence. The city of New Orleans offers a rich and unique cultural experience and opportunities for non-traditional collaborations.

The successful candidate will be expected to offer a broad range of specialized courses in their area of expertise, supervise graduate students, develop a nationally competitive research profile, and secure external research funding.

We are seeking candidates who have earned or are expected to earn a Ph.D. in computer science or a closely related field. Successful applicants must possess a record of research excellence and demonstrate strong teaching commitments to graduate and undergraduate courses.

Interested applicants are invited to submit a resume, three recommendation letters, teaching, research, and diversity statements to: *https://ulsuno.wd1.myworkdayjobs.com/en-US/UniversityOfNewOrleans/job/New-Orleans-La/Assistant-Professor_R-000187*.

Applications will be reviewed on a rolling basis until the positions are filled.

UNO is an Equal Employment Opportunity/Affirmative Action institution committed to excellence through diversity. UNO will not discriminate based upon race, ethnicity, color, sex, religion, national origin, age, disability, genetic information, sexual orientation, gender identity or expression, pregnancy, marital status, military or veteran status, or any other status or classification protected by federal, state, or local law. All eligible candidates are encouraged to apply.

UNC Greensboro

Assistant Professor of Computer Science

Position #998422

UNCG is a Minority Serving Institution, with an undergraduate population of 56% ethnic minority students. UNCG and the Computer Science Department foster an environment of collaboration across departments and schools and support community-engaged research. UNCG is proud of the diversity of its student body and we seek to attract an equally diverse applicant pool for this position. UNCG is located in a metropolitan area of more than 1.7 million in the Piedmont region of North Carolina, between the Atlantic Ocean and the Appalachian mountains. UNCG is an EOE/Affirmative Action/M/F/D/V employer and are strongly committed to increasing faculty diversity. Additionally, UNC Greensboro is consistently recognized nationally among the top universities for academic excellence and value, with noted strengths in health and wellness, visual and performing arts, nursing, education, and more. For

additional information, please visit uncg.edu and follow UNCG on Facebook, Twitter, and Instagram.

The Department of Computer Science at UNCG is a thriving department with an established, ABET-accredited B.S. degree program and an active M.S. degree program, and a new Ph.D. program to be established in Fall 2022. The department is experiencing rapid enrollment growth in recent years. For more information on the Computer Science Department, visit the Department's web page at *http://compsci.uncg.edu/*.

We are looking for candidates who show exceptional promise in both research and teaching. Preferred research areas are those that build upon our existing areas of strength, which include algorithms, artificial intelligence, data analytics, databases and data mining, foundations of computer science, human-computer interaction, image processing, machine learning, networking, security, and virtual reality, but applicants in other research areas are also encouraged to apply.

We are particularly interested in candidates who work in data science and interdisciplinary research.

Please note: While this is a tenure-track position, an appointment made effective January 1, 2023, will be as visiting assistant professor (pre-tenure-track) for the spring semester, with the tenure-track appointment commencing effective August 1, 2023. The visiting appointment is necessary to effectuate a normal tenure clock.

Candidate must hold or anticipate a Ph.D in Computer Science by January 1, 2023.

Applicants are asked to provide the names, email addresses, and phone numbers of three contacts to provide Letters of Recommendation in the References section of the electronic application. These contacts will be solicited by the SpartanTalent system via email and asked to provide a confidential Letter of Recommendation on behalf of the applicant. This will occur when a candidate is being considered for an interview.

AA/EEO: UNCG is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran.

Individuals with disabilities requiring disability-related accommodations in the application and interview process, please email us at *askeeo@uncg.edu*. Final candidates are subject to criminal & sex offender background checks. Some vacancies also require credit or motor vehicle checks. If highest degree is from an institution outside of the U.S., final candidates are required to have their degree verified prior to start date.

UNCG participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

To apply visit *https://spartantalent.uncg.edu/* and click on "Faculty."

University of Notre Dame

Tenure-track Assistant Professor

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for one (or more) faculty position(s). The Department seeks to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is especially interested in candidates who will contribute to the diversity and excellence of the University's academic community through their research, teaching, and service.

The Department seeks to fill a tenure-track position at the Assistant Professor rank in the systems area (IoT, security, etc.). Outstanding candidates in other areas of computer science and engineering may be reviewed with special consideration for faculty with research interests at the interface of computer science and biology, medicine, and/or health.

Applicants must submit a cover letter, a curriculum vitae, a research statement, a teaching statement, a statement that summarizes their planned contributions to diversity, equity, and inclusion, and contact information for three professional references. Applications must be received by November 4, 2022, to guarantee full consideration; however, the review of applications will continue until December 16, 2022.

Full information about the position can be found at *https://cse.nd.edu/about-cse/faculty-job-openings*.

The Department offers Ph.D., MS, and undergraduate degrees. Tenure track

faculty members are expected to excel in classroom teaching, lead highly visible research projects that attract substantial external funding, advise graduate students, and serve the profession and the University. More information about the Department can be found at *https://cse.nd.edu/*.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of South Carolina Sumter

Assistant Professor of Computer Science

The University of South Carolina Sumter (UofSCS) invites qualified candidates to apply for a tenure-track Assistant Professor of Computer Science position with an anticipated starting date of January 1, 2023. Candidates must be willing and able to teach both lower and upper-level undergraduate courses in computer science in both traditional and online settings.

Please find the details of the position, the university campus, and the application procedure by accessing the UofSC Jobs Online Employment site at *https://uscjobs.sc.edu*

University of Texas at Austin

Professor and Associate Dean for Research & Faculty Affairs

The School of Information at UT Austin invites applications for a full-time tenured faculty member at the full professor rank to serve as Associate Dean for Research and Faculty Affairs. We are seeking an established exceptional scholar with an active research program and a proven track record in writing, securing, administering, and disseminating grant-funded research, and especially in leading others in becoming similarly successful. The Associate Dean will support faculty development, and will play a key role in promotion and tenure reviews and advising junior faculty. Areas of research and teaching focus are open, but should complement the existing strengths of the iSchool.

Please apply at *http://apply.interfolio.com/111416*

University of Texas at Austin

Four Tenure-Track Assistant Professors

The School of Information at UT Austin invites applications for four tenure-track Assistant Professors. The candidates will conduct research and teach at both the graduate and undergraduate levels. The candidates should have expertise in at least one of the iSchool's concentrations in our undergraduate informatics program, including Cultural Heritage Informatics; Health Informatics; Human-Centered Data Science; Social Informatics; Social Justice Informatics; UX Design. Successful candidates will address the human and/or societal implications of information and technology. Candidates focused on human-centered design and use of information technology for human benefit, social good, and/or social justice in local and global contexts will fit well within the culture of our school.

Please apply at *http://apply.interfolio.com/111313*

The University of Texas at Austin

McCombs School of Business: Department of Information, Risk, & Operations Management (IROM)

The Department of Information, Risk, and Operations Management (IROM) at the McCombs School of Business at the University of Texas at Austin invites applications for two tenure-track assistant professor positions (starting Fall 2023) in the areas of Use-Inspired Artificial Intelligence and Business Analytics. We invite applications from diverse areas, including Computer Science, Information Systems/Management, Engineering, Decision Science, and Statistics. Applicants who believe they are a good fit for both positions are encouraged to apply to both.

The search committees will begin reviewing applications on October 1, 2022, and the searches will remain open until the positions are filled.

Assistant Professor Position in Use-Inspired AI

We are particularly interested in scholars pursuing a use-inspired AI research agenda in the context of important business, organizational, and societal challenges. We seek scholars whose research agenda aims to advance AI methodology inspired by considering AI in business-relevant contexts, and where the research simultaneously informs progress in AI and advances business/organizational/societal goals.

Successful candidates will join a vibrant AI research community within McCombs

and across the University, become core members of The University of Texas at Austin's Machine Learning Laboratory (*https://ml.utexas.edu/*) and contribute to The University of Texas' at Austin's Translational AI Cluster that serves as an interdisciplinary research platform for use-inspired AI research on campus.

Questions should be directed to Professor Maytal Saar-Tsechansky (*maytal@mail.utexas.edu*), Translational AI Faculty Search Committee Chair.

Application instructions and submission
https://apply.interfolio.com/112339

Assistant Professor Position in Business Analytics

We are particularly interested in scholars who are applying quantitative and/or data-driven methods to business problems. A successful candidate will be expected to have an active research program, teach business analytics courses at the undergraduate and graduate levels, supervise graduate students, contribute to the department's strengths, be a team player, and be comfortable in an interdisciplinary setting.

Questions should be directed to Professor Guoming Lai (*guoming.lai@mccombs.utexas.edu*), Business Analytics Faculty Search Committee Chair.

Application instructions and submission
http://apply.interfolio.com/112357

The University of Texas Rio Grande Valley™

Assistant/Associate Professor of Cybersecurity

The Department of Informatics & Engineering Systems at The University of Texas Rio Grande Valley (UTRGV) invites applications for multiple Tenure-Track Assistant Professor (Open Rank) faculty positions in Cyber Security cluster hiring to begin in Fall 2023.

Please see the full description of the position at the following link: https://apptrkr.com/3445648

STATE U | College of Science
UtahStateUniversity

The Computer Science Department seeks applications for multiple tenure-track assistant/associate professor positions. Preferred research expertise: software engineering, security, cloud computing, robotics, and human computer interaction. Apply: https://careers-usu.icims.com/jobs/5542/assistant-associate-professor/job
EEO Employer/Veterans/Disabled
https://www.usu.edu/equity/non-discrimination

R1 Research Institution	Benefited Full-time	Employer Contribution to Retirement
Extensive Outdoor Recreation	Vibrant Community & Affordable Housing	Free Public Transportation

University of Waikato

Lecturer or Senior Lecturer in Cyber Security

The University of Waikato, School of Computing and Mathematical Sciences, is seeking a Lecturer to lead and grow our Cyber Security capability and scope. You will have in-depth knowledge in one or more of the following areas: Systems Security, Cloud Security, Web and Mobile Security, Malware Analysis and Forensics and Infrastructure Security. You will bring an established record of published quality research, demonstrated success in undergraduate teaching and a commitment

to innovative teaching methods. Work with our close-knit team and enjoy the fantastic lifestyle offered in beautiful New Zealand. *www.jobs.waikato.ac.nz.*

Wellesley College

Professor/Associate Professor/Assistant Professor of Computer Science

Wellesley College seeks candidates for faculty positions in computer science at all levels (Professor/Associate Professor/Assistant Professor), starting in July 2023. The Computer Science Department is strongly committed to outstanding teaching and scholarship, and to providing students with the best possible research experiences. We are especially interested in candidates whose teaching, scholarship, service, or personal experience has prepared them to successfully attract, retain, and mentor underrepresented students in computing.

The tenure track position has a teaching load of two courses per semester, with the opportunity to develop new courses in the candidate's area of specialty and support for a vigorous program of research. Ph.D. required, preferably in Computer Science or a related discipline. We welcome candidates with any specialization. Candidates interested in one or more of the following areas are especially encouraged to apply: privacy, security, computer science education, systems, machine learning, as well as the social and ethical implications of computer science, particularly with regards to underrepresented communities.

Information about the department can be found at *http://www.wellesley.edu/cs*.

To apply: *https://wd1.myworkdaysite.com/en-US/recruiting/wellesley/wellesley-faculty/details/Professor-Associate-Professor-Assistant-Professor-of-Computer-Science_R0002367?q=computer%20science*

Wesleyan University

Assistant Professor of Computer Science

Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to begin July 1, 2022. We encourage candidates in all areas of Computer Science to apply, and especially encourage candidates who can contribute to the diversity (broadly conceived) of the department. The teaching load is three courses per year.

We will begin reviewing applications on October 15, 2022.

Applications must be submitted at *https://academicjobsonline.org/ajo/jobs/22300* where the full job description may be found.

West Virginia University Institute of Technology

Assistant Professor of Computer Science

WVU Institute of Technology invites applications for an Assistant Professor of Computer Science for Spring 2023.

https://wvu.taleo.net/careersection/faculty/jobdetail.ftl?job=20465&tz=GMT-04%3A00&tzname=America%2FNew_York

West Virginia University

Assistant/Associate Professor

Multiple Hires in Computer Science and Cybersecurity

The Statler College of Engineering and Mineral Resources at West Virginia University (WVU) invites applications for multiple tenure-track faculty positions at the rank of Assistant or Associate Professor in the area of computer science, and cybersecurity. The appointment shall be in the Lane Department of Computer Science and Electrical Engineering. Specialty areas of interest for this search include, but are not limited to cybersecurity, artificial intelligence, machine learning, software engineering, and theoretical computer science.

West Virginia University is designated an R1 University (Highest Research Activity) by the Carnegie Classification of Institutions of Higher Education. The Statler College is growing and currently has seven academic departments, over 4,700 students, and 135 faculty members, with about $30M in annual external research expenditures. The Lane Department of Computer Science and Electrical Engineering has 33 faculty members and approximately 500 undergraduate and 160 graduate students. The successful candidate will greatly benefit from the resources offered by the Lane Department, Statler College, WVU Data Science Program, WVU Energy Institute, WVU Health Sciences Center (HSC), WVU Rockefeller Neuroscience Institute (RNI) and the National Energy Technology Laboratory (NETL). The Lane

Professional Opportunities

Department conducts cutting-edge work in the fields of neuroscience and digital health. WVU is designated by the National Security Agency (NSA) and the Department of Homeland Security (DHS) as a National Center of Academic Excellence in both Cyber Defense Research and Cyber Defense Education. WVU is a member of the USCYBERCOM academic engagement network (AEN) and the AFRL Information Institute. WVU is the founding site in the multi-university Center for Identification Technology Research (CITeR), an NSF Industry/University Cooperative Research Center (I/UCRC) with many center-funded opportunities for new faculty working in biometrics, machine learning, and computer vision. In 2018, the Lane Department launched an undergraduate degree in Cybersecurity and offers both undergraduate and graduate areas of emphasis in Cybersecurity. Significant resources are available to attract top-notch students into the program. For instance, a recent grant from the National Science Foundation has created 120 annual scholarships over five years for undergraduates studying cybersecurity. The Department also offers a graduate area of emphasis in Computational Data Science. The Department is home to a master's in Software Engineering program that is fully online and highly ranked.

Morgantown lies within a high technology corridor that includes several federal research facilities, such as the NASA Katherine Johnson Independent Verification and Validation Facility (IV&V), U.S. Department of Energy's National Energy Technology Laboratory (NETL), the National Institute of Occupational Safety and Health (NIOSH), and the Federal Bureau of Investigation (FBI). Additional details on the area and the university are available at *http://www.morgantownwv.gov* and *http://www.wvu.edu*

Morgantown is a safe, inclusive, and family-friendly community and is ranked among the most livable small cities in the country with a close proximity to Pittsburgh, PA, and Washington, DC. WVU provides faculty members with a supportive environment for developing a visible and productive career and a range of progressive policies to support work-life integration. WVU also offers a Dual Career Program to assist partners in their career transition and job search and belongs to the OH/Western PA/WV Higher Education Recruitment Consortium.

Qualifications:

Eligible candidates must hold an earned Doctorate degree in computer science, computer engineering, or a closely related field, at the time of appointment. The successful candidates must demonstrate the ability or potential to (1) develop and sustain an independent, internationally recognized and competitive externally-sponsored research program, (2) collaborate effectively within multi-disciplinary teams of faculty and other researchers across WVU campus, other academic and government institutions, as well as the private sector, (3) teach courses at both the undergraduate and graduate levels, and (4) perform professional service activities within and outside the university. A notable record of peer-reviewed publications and other scholarly activities, effective communication skills, and evidence of potential to attract competitive research funding are required for this position. Candidates for the rank of Associate Professor must have an outstanding record of research, teaching, and service.

To apply for this position, visit *www.jobs.wvu.edu*. Applicants must submit a cover letter that indicates the candidates specialty area of interest, a curriculum vitae, a two-page research statement, a one page statement of teaching philosophy, and contact information for at least three professional references.

Review of applications will begin on September 15, 2022.

For further information, please contact Dr. Anurag Srivastava, Chair of the Lane Department, by e-mail (*anurag.srivastava@mail.wvu.edu*), or visit our website at *https://lcsee.statler.wvu.edu*

West Virginia University is an Equal Opportunity/Affirmative Action Employer and the recipient of an NSF ADVANCE award for gender equity. The University values diversity among its faculty, staff and students, and invites applications from all qualified individuals, including minorities, females, individuals with disabilities, and veterans. The University received the 2019 Higher Education Excellence in Diversity Award and the Benjamin M. Statler College of Engineering and Mineral Resources has received the ASEE Bronze Award for Diversity.

Williams College

Senior Faculty Position in Computer Science

The Department of Computer Science at Williams College invites applications for a tenured faculty position at the associate or full professor level beginning July 1, 2023. We welcome candidates from all areas of computer science who can contribute to the vibrancy of our academic community through their research, teaching, and service.

The successful candidate will join the department's thirteen current faculty in supporting a thriving undergraduate computer science major at a top-tier liberal arts college. The annual teaching load is three courses, with associated labs, spread over the fall and spring semesters. The Department of Computer Science offers a congenial working environment, an excellent and diverse student body, and state-of-the-art facilities supporting both teaching and research. Many opportunities exist for collaboration both within computer science and across disciplines. For more information about the department and faculty, please visit *http://www.cs.williams.edu*.

Candidates should have a commitment to excellence in teaching, research, and leadership, as well as experience and interest in mentoring and departmental stewardship. They must have a tenured faculty position or experience commensurate with such a position.

Applications should include a cover letter, curriculum vitae, and teaching and research statements. The application materials should also address how the candidate's teaching, scholarship, mentorship and/or service activities would support a student population that is broadly diverse. Candidates who advance in the pool will be asked to provide three letters of reference.

Application materials must be submitted electronically through Interfolio at *http://apply.interfolio.com/111662*. Materials may be addressed to Professor Stephen Freund, Chair, Department of Computer Science.

Completed applications received by December 1, 2022, will receive full consideration, and review of applications will continue until the position is filled. The search committee plans to conduct video conference interviews with semi-finalists in January, 2023, followed by on-campus interviews with finalists in February.

Please direct all correspondence to *cshiring@williams.edu*. All offers of employment are contingent upon completion of a background check as described here: *https://faculty.williams.edu/prospective-faculty/background-check-policy/*.

Williams College is a liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (*http://www.williams.edu*). Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Equal Employment Opportunity Statement

Williams College is a liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (*http://www.williams.edu*).

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.