Steven Cao

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EDUCATION	**Stanford University**	August 2021 - Present
	Ph.D. Student, Computer Science Department, Advisors: Percy Liang, Gregory Valiant.	
	University of California, Berkeley	August 2017 - May 2021
	B.S. in Electrical Engineering and Computer Science with Honors, GPA: 3.99/4.00.	

PUBLICATIONS (MACHINE LEARNING)

[1] *One-sided Matrix Completion from Two Observations per Row*
Steven Cao, Percy Liang, Gregory Valiant
Proceedings of ICML, 2023.

[2] *Low-Complexity Probing via Finding Subnetworks*
Steven Cao, Victor Sanh, Sasha Rush
Proceedings of NAACL-HLT, 2021.

[3] *Unsupervised Parsing via Constituency Tests*
Steven Cao, Nikita Kitaev, Dan Klein
Proceedings of EMNLP, 2020.

[4] *Multilingual Alignment of Contextual Word Representations*
Steven Cao, Nikita Kitaev, Dan Klein
Proceedings of ICLR, 2020.

[5] *Multilingual Constituency Parsing with Self-Attention and Pre-Training*
Nikita Kitaev, **Steven Cao**, Dan Klein
Proceedings of ACL, 2019.

PUBLICATIONS (OTHER)

[1] *An Improved Asymmetric Susceptibility Tensor Imaging Model with Frequency Offset Correction*
Ruimin Feng, **Steven Cao**, Jie Zhuang, Jiayi Zhao, Xiaojun Guan, Yuyao Zhang, Chunlei Liu, Hongjiang Wei
Magnetic Resonance in Medicine, 2023.

[2] *A Multiple-Tissue-Specific Magnetic Resonance Imaging Model for Diagnosing Parkinson's Disease*
Xiao-Jun Guan, Tao Guo, Cheng Zhou, Ting Gao, Jing-Jing Wu, Victor Han, **Steven Cao**, Hong-Jiang Wei, Yu-Yao Zhang, Min Xuan, Quan-Quan Gu, Pei-Yu Huang, Chun-Lei Liu, Jia-Li Pu, Bao-Rong Zhang, Feng Cui, Xiao-Jun Xu, Min-Ming Zhang
Neural Regeneration Research, 2022.

[3] *Regularized Asymmetric Susceptibility Tensor Imaging in the Human Brain in Vivo*
Yuting Shi, **Steven Cao**, Xu Li, Ruimin Feng, Jie Zhuang, Yuyao Zhang, Chunlei Liu, Hongjiang Wei
IEEE Journal of Biomedical and Health Informatics, 2022.

[4] *Asymmetric Susceptibility Tensor Imaging*
Steven Cao, Hongjiang Wei, Jingjia Chen, Chunlei Liu
Magnetic Resonance in Medicine, 2021.

[5] *CoVer: Collaborative Light-Node-Only Verification and Data Availability for Blockchains*
Steven Cao, Swanand Kadhe, Kannan Ramchandran
Proceedings of IEEE Blockchain, 2020.

[6] *Learning-based Single-step Quantitative Susceptibility Mapping Reconstruction*
Hongjiang Wei, **Steven Cao**, Yuyao Zhang, Xiaojun Guan, Fuhua Yan, Kristen Yeom, Chunlei Liu
NeuroImage, 2019.

[7] *Imaging Diamagnetic Susceptibility of Collagen in Hepatic Fibrosis Using Suscept. Tensor Imaging*
Hongjiang Wei, Kyle Decker, Hien Nguyen, **Steven Cao**, Tsung-Yuan Tsai, Cynthia Dianne Guy, Mustafa Bashir, Chunlei Liu
Magnetic Resonance in Medicine, 2019.

[8] *Quantitative Susceptibility Mapping of Articular Cartilage in Patients with Osteoarthritis at 3 Tesla*
Hongjiang Wei, Huimin Lin, Le Qin, **Steven Cao**, Yuyao Zhang, Naying He, Weibo Chen, Fuhua Yan, Chunlei Liu
Journal of Magnetic Resonance Imaging, 2019.

AWARDS & HONORS	NSF Graduate Research Fellowship, 2021
	CRA Undergraduate Researcher Award, 2021
	Phi Beta Kappa, 2021
	Regents' and Chancellor's Research Scholarship, 2018
	Eta Kappa Nu, 2018
	Regents' and Chancellor's Scholarship, 2017
	National Merit Scholarship, 2017

TEACHING EXPERIENCE

Probability and Random Processes (EECS 126)   January - May 2020
Teaching Assistant

Designing Information Devices and Systems I (EECS 16A)   January - May 2019
Teaching Assistant

RESEARCH & INDUSTRY EXPERIENCE

Hugging Face   June 2020 - September 2020
Research Intern, with Sasha Rush

Berkeley Natural Language Processing Group   February 2019 - May 2021
Undergraduate Researcher, with Dan Klein

Berkeley Laboratory for Information and System Sciences February 2019 - May 2021
Undergraduate Researcher, with Kannan Ramchandran

Berkeley Liu Group   October 2017 - May 2021
Undergraduate Researcher, with Chunlei Liu