

Yura Hwang

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- EDUCATION**
- | | |
|--|-----------------|
| <i>University of Utah</i> (Salt Lake City, UT)
Ph.D. in Computer Science
Advisor: Cem Yuksel | <i>Current</i> |
| <i>Texas A&M University</i> (College Station, TX)
M.S. in Computer Science
Advisor: Shinjiro Sueda | <i>Dec 2019</i> |
| <i>Ewha Womans University</i> (Seoul, Republic of Korea)
B.A. in History (Double majored in <i>Japanese and Culture</i>) | <i>Feb 2013</i> |
- RESEARCH INTEREST**
- Physics-based simulation, Real-time rendering, Computational geometry, GPU architectures, Visualization, Game narratives
- EXPERIENCE**
- Graduate Research Assistant***
- **University of Utah** | *Aug 2021-Current*
Currently working on a rendering project Regio, designing a texture resampling algorithm to improve edge sharpening in the VR/AR pipeline.
 - **Texas A&M University** | *Sep 2017-May 2019*
Worked on a physics-based simulation project HagSim, designing a sliding simulation using rigid-body dynamics with a joint partnership with Valdosta State University's biology department.
- Graduate Teaching Assistant***
- **University of Utah** | *Jan 2022-May 2022*
Worked as a Teaching Assistant in the CS5100/CS6100 *Interactive Computer Graphics* (Instructor: Dr. Cem Yuksel).
 - **University of Utah** | *Aug 2021-Dec 2021*
Worked as a Teaching Assistant in the CS4600 *Introduction to Computer Graphics* (Instructor: Dr. Cem Yuksel).
- Graduate Student Assistant***
- **Texas A&M University** | *Sep 2019-Dec 2019*
Worked as a grader and assisted the instructor in CSCE222 *Discrete Structure for Computing* (Instructor: Dr. Hyunyoung Lee).
- PUBLICATIONS**
- Hwang, Yura, Uyeno, Theodore A., Sueda, Shinjiro, Bioinspired Simulation of Knotting Hagfish, *International Symposium on Visual Computing (ISVC)*, Lake Tahoe, NV, Oct 7-9, 2019.
 - Wang, Ying, Weidner, Nicholas J., Baxter, Margaret A., Hwang, Yura, Kaufman, Danny M., Sueda, Shinjiro, REDMAX: Efficient & Flexible Approach for Articulated Dynamics, *ACM Transactions on Graphics*, 38(4) 104:1-104:10 (SIGGRAPH), 2019.

- Evans, Emily E., Hwang, Yura, Sueda, Shinjiro, Uyeno, Theodore A., Estimating Whole Body Flexibility in Pacific Hagfish, *The Society for Integrative & Comparative Biology*, San Francisco, CA, Jan 3-7 (poster), 2018.

AWARDS & HONORS

Best Scientific Visualization Project 2022 *Spring 2022*
University of Utah

School of Computing Department Fellowship *Fall 2020-Spring 2021*
University of Utah

Travel Grant Award *Oct 2019*
Texas A&M University

Grace Hopper Conference Scholarship *Oct 2019*
AnitaB.org

KFAS (Korea Foundation for Advanced Studies) Scholarship *Apr 2010-Feb 2013*
SK Group

Dean's List, Scholarship for Honor Student *Spring & Fall, 2012*
Ewha Womans University

OTHERS

SIGGRAPH Student Volunteer *Aug 2018*

- Helped organizing conference talks and aided in introducing new developments of research groups and companies in SIGGRAPH 2018 Vancouver, Canada.

Hayek Academy Assistant *Jul 2015 & Jul 2016*

- Managed lectures and classes for economics summer program in Sejong and Busan. Escorted a foreign guest lecturer.

Holy Family Child Adoption Center Volunteer *Oct 2013-Feb 2014*

- Aided children (age of 3-6) in learning basic words and numbers.

Book Translation *Oct 2013-Feb 2014*

- Co-translated Gordon Tullok's *Foreign Affairs: A Compact History* (World Scientific, 2000) into Korean with Sooyoun Hwang.

Ewha Archive Volunteer *Aug 2012-Dec 2012*

- Worked as a history docent at Ewha Archives of Ewha Womans University.