

YURA HWANG

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EDUCATION

- **Texas A&M University** (*College Station, TX*) *(Expected) Dec 2019*
M.S. in Computer Science GPA: 3.5/4.0
- **Ewha Womans(Women's) University** (*Seoul, South Korea*) *Feb 2013*
B.A. in History (Double majored *Japanese and Culture*) GPA: 3.83/4.3

EXPERIENCE

- **Student Assistant** *Texas A&M University, Sep 2019-Current*
Grade assignments and actively assist instructor in organizing the class of the subject *Discrete Structures for Computing*.
- **Research Assistant** *Texas A&M University, Sep 2017-May 2019*
Research assistant in computer graphics lab in Texas A&M. Achieved simulating hagfish model and behavior in computer graphics using rigid-body dynamics. Took on the role of a communicator, by bridging the gap and establishing strong partnership with biology department (Valdosta State University). The project enabled advancement in computer graphics, biology, and robotics.
- **SIGGRAPH Student Volunteer** *Aug 2018*
Organized conference talks and aided introducing new developments from research groups and companies. Showed great communications and coordination skills in associating both researchers and visitors.

PUBLICATIONS

- **Bioinspired Simulation of Knotting Hagfish via Thigmotaxic Inverse Dynamics**
Yura Hwang, *M.S. Thesis*, Texas A&M University, (Expected) December, 2019.
- **Bioinspired Simulation of Knotting Hagfish**
Yura Hwang, Theodore A. Uyeno, Shinjiro Sueda, *International Symposium on Visual Computing (ISVC)*, Lake Tahoe, NV, October 7-9, 2019.
- **REDMAX: Efficient & Flexible Approach for Articulated Dynamics**
Ying Wang, Nicholas J. Weidner, Margaret A. Baxter, Yura Hwang, Danny M. Kaufman, Shinjiro Sueda, *ACM Transactions on Graphics*, 38(4) 104:1-104:10 (SIGGRAPH), 2019.
- **Estimating Whole Body Flexibility in Pacific Hagfish**
Emily E. Evans, Yura Hwang, Shinjiro Sueda, Theodore A. Uyeno, *The Society for Integrative & Comparative Biology*, San Francisco, CA, January 3-7 (poster), 2018.

AWARDS & HONORS

- **Grace Hopper Conference Scholarship** *GHC, Oct 2019*
- **KFAS (Korea Foundation for Advanced Studies) Undergraduate Scholarship** *SK Group, Apr 2010-Feb 2013*
- **Dean's List** *Ewha, Spring 2012, Fall 2012*
- **Scholarship for Honor Student** *Ewha, Fall 2012*

SKILLS

Programming Language [Primary] C++ [Experience] C, Matlab, HTML/CSS
C#, Python, Ruby, R, Scheme, Assembly (x86-64), L^AT_EX

Foreign Language [Primary] Korean, English, [Experience] Japanese