

ESTON SCHWEICKART

ers@cs.cornell.edu

www.cs.cornell.edu/~ers/

EDUCATION

- Cornell University** 2013-Present
Ph.D. Candidate in Computer Science with a minor in Applied Mathematics. Ithaca, NY
Advisor: Steve Marschner
- Oberlin College** 2009-2013
B.A. with High Honors in Computer Science with a minor in Mathematics. Oberlin, OH
Advisor: Bob Geitz

ACADEMIC/RESEARCH INTERESTS

Computer Graphics, Physically Based Animation and Simulation, Sound Synthesis.

RESEARCH PUBLICATIONS

Interactive Design of Periodic Yarn-Level Cloth Patterns

Jonathan Leaf, Rundong Wu, Eston Schweickart, Doug L. James, Steve Marschner.
ACM Transactions on Graphics (SIGGRAPH Asia 2018). 37(6), Article 202. November 2018.

Animating Elastic Rods with Sound

Eston Schweickart, Doug L. James, Steve Marschner.
ACM Transactions on Graphics (SIGGRAPH 2017). 36(4), Article 115. July 2017.

Data-Driven Guides: Supporting Expressive Design for Information Graphics

Nam Wook Kim, Eston Schweickart, Zhicheng Liu, Mira Dontcheva, Wilmot Li, Jovan Popovic, Hanspeter Pfister.
IEEE Transactions on Visualization and Computer Graphics (InfoVis 2016). 23(1). January 2017.

RESEARCH EXPERIENCES

- Research Internship at Adobe Research** June-September 2018
Simulating Yarn with High Geometric Detail Seattle, WA
Mentors: Tim Langlois
- Research Internship at Adobe Research** June-September 2015
Animation and Deformation of Vector Graphics Seattle, WA
Mentors: Jovan Popović and Danny Kaufman
- Research Internship at Mozilla** June-August 2013
Integrating Quadtree Layout into the Servo Browser's Graphics Engine Mountain View, CA
Mentor: Patrick Walton
- Honors Project at Oberlin College** August 2012-May 2013
Contextual Visualization: Information Graphics with Pertinent Artwork Oberlin, OH
Mentor: Bob Geitz
- REU at University of North Carolina, Charlotte** June-July 2012
Dynamic Network Visualization using Data-Driven Documents (D3) Charlotte, NC
Mentor: Aidong Lu
- Research Internship at Van Andel Research Institute** June-August 2011
Modeling Cancer Cell Growth and Mutation using NetLogo Grand Rapids, MI
Mentor: Kyle Furge

TEACHING

Head Teaching Assistant at Cornell University Computer Graphics Practicum Course director and lecturer with guidance from Prof. Steve Marschner	January-May 2018 Ithaca, NY
Teaching Assistant at Cornell University Introduction to Computer Graphics (5 semesters) Interactive Computer Graphics (2 semesters) Physically Based Animation (1 semester) Introduction to Computing using MATLAB (1 semester) Instructors: Steve Marschner, Kavita Bala, Doug James, Daisy Fan	August 2013-Present Ithaca, NY
Grading Assistant at Oberlin College Data Structures, Programming Abstractions, Operating Systems Mentors: Benjamin Kuperman, Richard Salter, Cynthia Taylor	February 2010-May 2013 Oberlin, OH

NON-RESEARCH EMPLOYMENT

Summer Internship at Colorado State University (RMRCE) Drug Compound Chemical Structure Database Mentor: Richard Casey	June-August 2010 Fort Collins, CO
---	--------------------------------------

AWARDS, HONORS, AND INVITED TALKS

Presented at the Cornell Computer Science Colloquium	November 2018 Ithaca, NY
Presented at the SIGGRAPH 2018 Doctoral Consortium	August 2018 Vancouver, BC
Received Outstanding TA Award, Cornell Computer Science Dept.	2015, 2016, 2017, 2018 Ithaca, NY
Accepted to Phi Beta Kappa Society	May 2013 Oberlin, OH
Awarded John F. Oberlin Scholarship	August 2009 Oberlin, OH

SERVICE

Reviewer for SIGGRAPH Asia 2018	July 2018
Reviewer for IEEE VR 2018	December 2017
Brown Bag Seminar Coordinator, Cornell Computer Science Dept.	2014-Present
Workshop Co-Instructor, Expanding Your Horizons, Cornell University	2015-2017
Secretary, Cornell Computer Science Graduate Organization	2014-2017
Graduate Student Mentor, Cornell Computer Science Dept.	2014-2016
Student Volunteer at SIGGRAPH 2013	July 2013