

ESTON SCHWEICKART

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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

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.

OTHER RESEARCH EXPERIENCES

- Research Internship at Adobe Research** June-September 2015
Project: Animation and Deformation of Vector Graphics Seattle, WA
Mentors: Jovan Popović and Danny Kaufman
- Research Internship at Mozilla** June-August 2013
Project: 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
Project: Contextual Visualization: Building Information Graphics with Pertinant Artwork Oberlin, OH
Mentor: Bob Geitz
- REU at University of North Carolina, Charlotte** June-July 2012
Project: Dynamic Network Visualization using Data-Driven Documents (D3) Charlotte, NC
Mentor: Aidong Lu
- Research Internship at Van Andel Research Institute** June-August 2011
Project: Modeling Cancer Cell Growth and Mutation using NetLogo Grand Rapids, MI
Mentor: Kyle Furge

TEACHING

- Teaching Assistant at Cornell University** August 2013-Present
Classes: Introduction to Computer Graphics (4 semesters), Physically Based Animation Ithaca, NY
(1 semester), Interactive Computer Graphics (1 semester), Introduction to Computing using MATLAB (1 semester)
Mentors: Steve Marschner, Kavita Bala, Doug James, Daisy Fan
- Grading Assistant at Oberlin College** February 2010-May 2013
Classes: Data Structures, Programming Abstractions, Operating Systems Oberlin, OH
Mentors: Benjamin Kuperman, Richard Salter, Cynthia Taylor

NON-RESEARCH EMPLOYMENT

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

AWARDS AND HONORS

Accepted to Phi Beta Kappa Society

May 2013
Oberlin, OH

Graduated with High Honors in Computer Science

May 2013
Oberlin, OH

Received John F. Oberlin Scholarship

August 2009
Oberlin, OH