

ESTON SCHWEICKART

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EDUCATION

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

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.

OTHER RESEARCH EXPERIENCES

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

TEACHING

- Lecturer at Cornell University** January-May 2018
Class: Computer Graphics Practicum
Co-lecturer: Steve Marschner
Ithaca, NY
- Teaching Assistant at Cornell University** August 2013-May 2018
Classes: Introduction to Computer Graphics (5 semesters), Physically Based Animation (1 semester), Interactive Computer Graphics (1 semester), Introduction to Computing using MATLAB (1 semester)
Mentors: Steve Marschner, Kavita Bala, Doug James, Daisy Fan
Ithaca, NY

Grading Assistant at Oberlin College

Classes: 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)

Project: Drug Compound Chemical Structure Database
Mentor: Richard Casey

June-August 2010
Fort Collins, CO

AWARDS AND HONORS

Presented at the SIGGRAPH 2018 Doctoral Consortium

August 2018
Vancouver, BC

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