Leah Rosenbaum

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portfolio: [lfrosenbaum.wordpress.com](http://lfrosenbaum.wordpress.com)

AREAS OF RESEARCH INTEREST

Math education

Tangible learning technologies

Embodied learning

EDUCATION

**University of California, Berkeley Berkeley, CA**

Ph.D., Education in Math, Science, and Technology Anticipated May 2021

**Scripps College Claremont, CA**

B.A., Mathematics, Phi Beta Kappa May 2012

RESEARCH EXPERIENCE

**Graduate Student Researcher** Fall 2015 – Present

* Conducted interviews with students using a touch-screen environment for learning proportionality
* Worked with developers to debug and refine the touch-screen environment
* Managed lab logistics including CPHS applications, recording equipment, and conference deadlines

**Summer Research Experience**, Transformative Learning Technologies Lab, Stanford Summer 2011

* Worked in CorelDRAW to design and prototype an interactive, tangible model of derivatives in calculus

**Research Assistant**, Department of Education, University of Texas at Austin Summer 2010

* Aided implementation of a project-based learning curriculum for middle school robotics and engineering
* Assessed and helped re-target the above curriculum based on a 5 week, 15 student classroom trial

WORK EXPERIENCE

**Data and Policy Analyst**,Acumen, LLC. Burlingame, California Summer 2012 - Summer 2015

* Taught SAS programming to recent hires in group lessons and individual code reviews
* Created supplemental training datasets and annotated code that were adopted by fellow trainers

**Writing Tutor**, Scripps College, Claremont, California Fall 2009 - Fall 2011

**Instructor**, Milwaukee Community Sailing Center, Milwaukee, Wisconsin Summers 2008, 2009

* Planned and implemented 8 weeks of lessons for 15 students, aged 9-16 years

PUBLICATIONS

Rosenbaum, L. F., & Abrahamson, D. (2016). *Back to the drawing board: On studying interaction with mechanical design*. In M. Wood, E. Turner, & M. Civil (Eds.), Sin fronteras: Questioning borders with(in) mathematics education - Proceedings of the 38th annual meeting of the North-American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA). Tucson, AZ: University of Arizona.

Rosenbaum, L. F. (2016, February). *An embodied approach to derivatives*. Poster session presented at the 16th Annual Education Research Day, Berkeley, CA.

OTHER

Online Courses: Tinkering Fundamentals - A Constructionist Approach to STEM Learning

Conferences Participation: FabLearn 2014, 2015, 2016; Math in the Making 2016; PME-NA 2016