

# Jamie Gorson

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I am interested in creating technology to increase teacher access to project-based learning.

## Education

**Northwestern University**, Evanston, IL  
Ph.D., Computer Science and Learning Sciences, Expected 2021  
Joint Ph.D. program  
Advisors: Michael Horn and Matthew Easterday

**Olin College of Engineering**, Needham, MA  
B.S., Electrical and Computer Engineering, 2016  
Concentration in Innovative Education

## Grants & Awards

National Science Foundation Graduate Research Fellowship (GRFP), 2016  
Anita Borg Institute Grace Hopper Scholarship, 2016  
National Merit Scholar, 2012

## Research Experience

**Delta Lab**, Northwestern, 2016 - Present  
Research Assistant: Studying coaching in ill-structured problem-based learning environments.

**Tangible Interface Design and Learning Lab**, Northwestern, 2016 - Present  
Research Assistant: Designing learning environments for introducing middle-school aged learners to computational thinking through musical composition.

## Publications

**Gorson, J.**, Patel, N., Beheshti, E., Magerko, Brian., Horn, M. S. (2017). "TunePad: Computational Thinking Through Sound Composition". To be in *Proc. Interaction Design and Children (IDC'17)*, Stanford, CA.

## Presentations

**Gorson, J.**, and Rifkin, N. (2015.) "Project-based Learning at Olin College." *STEMconnector Disruptive Innovation in Higher Education*. National Press Club, Washington D.C.

## Projects

**Brightbox: Hands-on EdTech for Rural India**, Olin College (2015-2016)  
Project managed a team to develop, build and deploy the Brightbox and the associated curriculum to aid in teaching children optics. The Brightbox is used in schools in rural India and Ghana to encourage exploratory learning and a curiosity for science.

**Capture It: A Mobile Design App for Kids**, Olin College (2015-2016)  
My team and I developed and built Capture It, an application in DS Solid-works's new educational ecosystem called Apps for Kids. Capture It is a brainstorming application meant to inspire creativity and curiosity in the design process.

Professional  
Experience

**athenahealth**, Software Development Intern  
Patient Portal Communicator Team, Watertown, MA (Summer 2015)

**Microsoft**, Explorer Intern  
DevDiv Visual Studio Team, Redmond, WA (Summer 2014)

**Lockheed Martin**, College Student Technical Intern  
Machine learning research and development, Valley Forge, PA (2013-2014)

**Cortica Ltd.**, Intern  
Haifa, Israel (Summer 2013)

Service &  
Consulting

**Engineering Design Independent Researcher and Consultant**,  
KU Leuven, Belgium (2015)  
Worked with faculty at KU Leuven and Thomas More University, higher education institutes in Belgium, to incorporate design thinking and project-based learning into their engineering programs, both at the bachelor and post-graduate levels.

**Student Ambassador**, Olin College (2013-2016)  
Discussed and demonstrated Olin's unique educational methods to visiting professionals, from both industry and academia.

Teaching  
Experience

**Course Assistant**, Computer Architecture  
Olin College, Professor Benjamin Hill (Fall 2014)

**Course Assistant**, Computer Architecture  
Olin College, Instructor Eric VanWyk (Fall 2013)