

# Jamie Gorson

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I am interested in designing, building, and researching technology that increases student engagement and motivation in hands-on learning environments. My current research explores how novice programmers' beliefs about the nature of programming intelligence impacts their programming behaviors and persistence.

## Education

**Northwestern University**, Evanston, IL  
Ph.D., Computer Science and Learning Sciences, Expected 2021  
Joint Ph.D. program  
Advisor: Professor Eleanor O'Rourke

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

## Grants & Awards

Student Poster Competition Winner, Inaugural Symposium on CS & LS, 2019  
Computing Research Association - Women, Grad Cohort Attendee, 2019  
Segal Design Institute, Design Research Fellow, 2017  
**National Science Foundation, Graduate Research Fellowship (GRFP), 2016**  
Anita Borg Institute Grace Hopper Scholarship, 2016  
Olin College Merit Scholarship, 2012  
National Merit Scholar, 2012

## Publications

**Jamie Gorson** and Eleanor O'Rourke. 2019. How Do Students Talk About Intelligence? An Investigation of Motivation, Self-efficacy, and Mindsets in Computer Science. In Proceedings of International Computing Education Research Conference, Toronto, ON, Canada, August 12–14, 2019 (ICER '19).

Daniel G. Rees Lewis, **Jamie Gorson**, Leesha V. Maliakal, Spencer E. Carlson, Elizabeth M. Gerber, Christopher K. Riesbeck, and Matthew W. Easterday (2018). Planning to iterate: Supporting iterative practices for real-world ill-structured problem-solving. Presented at ICLS 2018.

Spencer E. Carlson, Leesha V. Maliakal, Daniel G. Rees Lewis, **Jamie Gorson**, Elizabeth M. Gerber, and Matthew W. Easterday (2018). Defining and assessing risk analysis: the key to strategic iteration in real-world problem solving. Presented at ICLS 2018.

**Jamie Gorson**, Nikita Patel, Elham Beheshti, Brian Magerko, Michael Horn (2017). TunePad: Computational Thinking Through Sound Composition. In Proceedings of Interaction Design and Children (IDC'17). Stanford, CA.

## Presentations

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

## 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  
QA for image recognition, Haifa, Israel (Summer 2013)

## Service

**Academic Service - Reviewer**  
2019 ACM Conference on Human Factors in Computing Systems (CHI 2019)  
2018 ACM Conference on Interaction Design and Children (IDC 2018)

**Graduate Women in Computing, Founding Co-President**  
Northwestern University (2019 - Present)  
Co-founded a graduate women in computing group to help support and attract female PhD students in the Computer Science department.

**Computer Science PhD Advisory Council, Founding Member**  
Northwestern University (2017 - Present)  
Founding member of a PhD student council seeking to foster community within Computer Science PhD students at Northwestern University and increase communication between students and the department.

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

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

## Teaching Experience

**Seminar Instructor**, Computing Everywhere  
Northwestern University, (2017-2019)  
Taught seminar course to communication undergraduate students on the basics of python programming.

**Course Assistant**, Computer Architecture  
Olin College, (2013-2014)