Jamie Gorson

jgorson@u.northwestern.edu || *www.jamiegorson.com*

I am interested in designing, building, and researching technology that increases engagement and motivation in learning. My current research explores how novice programmers' evaluate themselves while programming and how these beliefs impact their self-evaluations, 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

Inaugural Symposium on CS & LS, Student Poster Competition Winner, 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. 2020. Why do CS1 Students Think They're Bad at Programming? Investigating Self-Efficacy and Self-Assessments at Three Universities. In Proceedings of the 2020 International Computing Education Research Conference , August 10–12, 2020, Virtual Event, New Zealand (ICER '20).

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.

Service

Academic Service - Reviewer
2020 ACM Conference on Human Factors in Computing Systems (CHI 2020)

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 and faculty in the Computer Science department.

Computer Science PhD Advisory Council, Founding Member
Northwestern University (2017 - 2019)
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.

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

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.

Teaching & Mentoring	**Seminar Instructor,** Imposter Syndrome: How to fight the feeling that you're faking it. St. Francis University, (October 2019) Taught seminar course to undergraduate STEM students to teach them about imposter syndrome and help the practice strategies to address it.

Seminar Instructor, Computing Everywhere
Northwestern University, (2017-Present)
Designed and taught seminar courses to teach computing concepts to undergraduate students. One seminar taught the basics of programming in python through music using Earsketch. The other explored the nature of AI, through the lens of chatbots.

Graduate Student Research Mentor Design, Technology and Research
Northwestern University, (2017-2018)
Advised two teams of 2-3 undergraduate students on research projects. The teams researched how to apply psychology and learning sciences theory in the design of technology to help with metacognition and motivation of undergraduate students.

Course Assistant, Computer Architecture
Olin College, (2013-2014)
Course assistant for two offerings of Computer Architecture. Led office hours, assisted students on labs projects in class and helped organized the class structure.

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)