Jamie Gorson

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

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' mindsets and self-efficacy appraisals impacts their programming behaviors and persistence in the major or field.

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	National Science Foundation Graduate Research Fellowship (GRFP), 2016
	Segal Design Fellowship, 2017
	Anita Borg Institute Grace Hopper Scholarship, 2016
	Olin College Merit Scholarship, 2012
	National Merit Scholar, 2012

Publications

Rees Lewis, D., **Gorson, J.**, Maliakal, L. V., Carlson, S. E., Gerber, E. M., Riesbeck, C. K., & Easterday, M. W. (2018). *Planning to iterate: Supporting iterative practices for real-world ill-structured problem-solving.* Presented at ICLS 2018.

Carlson, S. E., Maliakal, L. V., Rees Lewis, D., **Gorson, J.**, Gerber, E. M., & Easterday, M. W. (2018). *Defining and assessing risk analysis: the key to strategic iteration in real-world problem solving.* Presented at ICLS 2018.

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 Brightbox. Brightbox is a tool and curriculum for schools in rural India and Ghana to teach optics while encouraging exploratory learning and a curiosity for science.

Capture It: Kids Design App, Olin College & Dassault Systèmes (2015-2016)

My team and I developed and built Capture It, an application in DS Solidworks's educational ecosystem: Apps for Kids. Capture It is a brainstorming application 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
QA for image recognition, Haifa, Israel (Summer 2013)

Service & Consulting

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, 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.

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)