

MOLLY Q FELDMAN

CONTACT INFORMATION	Department of Computer Science King Building 223A 10 North Professor Street Oberlin, OH 44074 http://www.feldmanmolly.com	mfeldman@oberlin.edu 440-775-8383
CURRENT POSITION	Oberlin College , Oberlin, OH Assistant Professor of Computer Science <i>Courses:</i> Introduction to Computer Science; Programming Abstractions; People-Powered Procedures	2021 - Present
EDUCATION	Cornell University , Ithaca, NY Ph.D., Computer Science <i>Thesis:</i> <i>Realizing the Human Potential of Program Synthesis & Crowdsourcing</i> Cornell University , Ithaca, NY M.S., Computer Science Swarthmore College , Swarthmore, PA B.A., Mathematics and Computer Science <i>Course Work, Budapest Semesters in Mathematics</i> , Spring 2014	2015 - 2020 2018 2011 - 2015
PREVIOUS POSITIONS	Williams College , Williamstown, MA Visiting Assistant Professor of Computer Science <i>Courses:</i> Introduction to Computer Science (CS 134); Human Work in Computational Systems (CS/STS 377) Cornell University , Ithaca, NY Lecturer <i>Courses:</i> Crowdsourcing and Human Computation (CS 5306)	2020 - 2021 Fall 2019
PUBLICATIONS	Sydney Nguyen, Hannah McLean Babe, Yangtian Zi, Arjun Guha, Carolyn Jane Anderson & Molly Q Feldman. "How Beginning Programmers and Code LLMs (Mis)read Each Other." <i>ACM CHI Conference on Human Factors in Computing Systems</i> . 2024. Federico Cassano, John Gouwar, Daniel Nguyen, Sydney Nguyen, Luna Phipps-Costin, Donald Pinckney, Ming-Ho Yee, Yangtian Zi, Carolyn Jane Anderson, Molly Q Feldman, Arjun Guha, Michael Greenberg, Abhinav Jangda. "MultiPL-E: A Scalable and Polyglot Approach to Benchmarking Neural Code Generation". <i>IEEE Transactions on Software Engineering</i> . 2023. Molly Q Feldman & Brian McInnis. "How We Write with Crowds". <i>Proceedings of the ACM on Human-Computer Interaction</i> . Presented at the 2020 ACM Conference on Computer Support Cooperative Work and Social Computing. 2020. Molly Q Feldman, Yiting Wang, William E. Byrd, François Guimbretière, Erik Andersen. "Towards Answering "Am I On the Right Track?" Automatically Using Program Synthesis". <i>Proceedings of the 2019 ACM SIGPLAN Symposium on SPLASH-E</i> . 2019. Molly Q Feldman, Ji Yong Cho, Monica Ong, Sumit Gulwani, Zoran Popović, Erik Andersen.	

“Automatic Diagnosis of Student Misconceptions in K-8 Mathematics”. *ACM CHI Conference on Human Factors in Computing Systems*. 2018.

NON-ARCHIVAL WORKS	Hannah McLean Babe, Sydney Nguyen, Yangtian Zi, Arjun Guha, Molly Q Feldman & Carolyn Jane Anderson. "StudentEval: A Benchmark of Student-Written Prompts for Large Language Models of Code." <i>Accepted for presentation at LLM4Code</i> . 2024.	
INVITED TALKS	<p>“Automatic Code Generation Through a Human Lens” Department of Computer Science Colloquium, Harvey Mudd College, 7 March 2024 Department of Computer Science, Oberlin College, 1 March 2024</p> <p>“Applying Newly Practical Techniques to Human-Centered Problems” Department of Computer Science, Williams College, 28 April 2020 (Cancelled due to COVID-19)</p> <p>“A Practical Guide to User Evaluation for PL Folk” Programming Languages Seminar (PLDG), Cornell University, 26 February 2020</p> <p>“Automatic Diagnosis of Student Misconceptions in K-8 Mathematics” Department of Computer Science, Harvard University, 21 June 2019 Artificial Intelligence Seminar, Cornell University, 20 April 2018</p> <p>“Salvaging Student Programs, Automatically” Programming Languages Seminar (PLDG), Cornell University, 18 October 2017</p> <p>“Building Better Automated Feedback Solutions” Department of Computer Science, Brown University, 22 November 2016 Programming Languages Seminar (PLDG), Cornell University, 16 November 2016</p> <p>“PL-based Educational Technology” IFIP WG2.8 Meeting XXXIV, Lake Placid, NY, 18 July 2016</p>	
INVITED PANELS	<p>Women in STEM Faculty Panel, Oberlin College, 22 January 2024</p> <p>Post-PhD Career Panel, Graduate Students for Gender Inclusion in Computing (GSGIC), Cornell University, 27 January 2022</p>	
INDUSTRY	Research Intern, Google (Tutor Team)	Summer 2019
SELECTED AWARDS	4 x Cornell University Outstanding Teaching Assistant Award OOPSLA Distinguished Artifact Evaluation Committee Member	2016 - 2020 2018
UNDERGRADUATE RESEARCHERS	<p>Huyen Kim (Oberlin Psychology), Dan-Ha Le (Oberlin CS), Boo Elliott (Oberlin Psychology), Sarah Liu (Oberlin Psychology), Gunja Sarkar (Oberlin CS), <i>Hannah McLean Babe</i> (Oberlin CS), Ajai Nelson (Oberlin CS), Natalie Korzh (Oberlin CS), Catherine Yeh (Williams CS)</p> <p><i>Italics above denotes co-author on an accepted publication</i></p>	
PROFESSIONAL SERVICE	<p>Steering Committee</p> <p>Programming Languages Mentoring Workshop Steering Committee 2022 - Present</p> <p>SPLASH-E Steering Committee 2021 - Present</p> <p>PC Co-Chair</p> <p>SPLASH-E 2023</p> <p>PLMW@SPLASH 2023</p> <p>PLMW@SPLASH 2022</p>	

	PLMW@SPLASH	2021
	PC Member	
	HCOMP, AAAI, LIVE	2023
	HCOMP, SPLASH-E, HATRA, LIVE	2022
	HCOMP, SPLASH-E, HATRA, miniKanren	2021
	SPLASH-E, HATRA	2020
	OOPSLA AEC	2018
	External Reviewer	
	CHI (2 x Reviewer Special Recognition)	2024
	<i>Reviewing prior to 2021: CSCW, CHI, DIS WiP, AfriCHI</i>	
INSTITUTIONAL SERVICE	At Oberlin College	
	Chair, Cognitive Science Program Committee	2023 - Present
	Member, STEM DEI Ad-hoc Committee	2022 - Present
	Member, Cognitive Science Program Committee	2022 - 2023
	Member, Library General Faculty Committee	2022 - 2023
	Member, Hiring Committee, CS Department	2021, 2022, 2023
	At Williams College	
	Faculty Co-Advisor, Women in Computer Science (WiCS)	2020 - 2021
	Faculty Co-Liason, Computer Science Student Advisory Committee	2020 - 2021
	At Cornell University	
	Committee Member, Gates Hall Space Committee.	2018 - 2020
	Graduate Student Reader for CS PhD Admissions	2019
	Committee Member, CIS Diversity Committee	2017 - 2019
	Co-Organizer, Programming Languages Discussion Group	2016 - 2019
	Department of Computer Science Colloquium Czar	2016 - 2017
	Co-Organizer, Computer Science Prospective Student Visit Day	2016
OUTREACH	Mentor, SIGPLAN Mentorship Program	2020 - Present
	Scientist, Skype a Scientist	2020 - 2023
	Mentor, Programming Languages Mentoring Workshop (PLMW)	2020
	Volunteer, Cornell Math Department Elementary School Outreach	2016 - 2019
	Fellow, Cornell Graduate Student School Outreach Program	2017
	Presenter, AAUW TechSavvy	2017
	Co-Leader, Expanding Your Horizons (EYH) workshop	2016 - 2018
MEMBERSHIPS	Member, Association for Computing Machinery (ACM), SIGPLAN	
	Member, Swarthmore College Chapter, Phi Beta Kappa	
	Elected, Swarthmore College Chapter, Sigma Xi	