

## MOLLY Q FELDMAN

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CONTACT INFORMATION	Department of Computer Science 10 North Professor Street Oberlin, OH 44074 <a href="http://www.feldmanmolly.com">http://www.feldmanmolly.com</a>	<a href="mailto:mfeldman@oberlin.edu">mfeldman@oberlin.edu</a> 440-775-8383
CURRENT POSITION	<b>Oberlin College</b> , Oberlin, OH Assistant Professor of Computer Science <i>Courses:</i> Introduction to Computer Science; Programming Abstractions; People-Powered Procedures; Software from Start to Start Over	2021 - Present
EDUCATION	<b>Cornell University</b> , Ithaca, NY Ph.D., Computer Science <i>Thesis:</i> <i>Realizing the Human Potential of Program Synthesis &amp; Crowdsourcing</i> <b>Cornell University</b> , Ithaca, NY M.S., Computer Science <b>Swarthmore College</b> , Swarthmore, PA B.A., Mathematics and Computer Science Course Work, Budapest Semesters in Mathematics, Spring 2014	2015 - 2020   2018  2011 - 2015
PREVIOUS POSITIONS	<b>Williams College</b> , Williamstown, MA Visiting Assistant Professor of Computer Science <i>Courses:</i> Introduction to Computer Science; Human Work in Computational Systems <b>Cornell University</b> , Ithaca, NY Lecturer <i>Courses:</i> Crowdsourcing and Human Computation	2020 - 2021   Fall 2019
PUBLICATIONS	<p>Yangtian Zi, Luisa Li, Arjun Guha, Carolyn Jane Anderson &amp; Molly Q Feldman. ““I Would Have Written My Code Differently”: Beginners Struggle to Understand LLM-Generated Code.” <i>The 1st Workshop on Human-Centered AI for SE - FSE Companion</i>. 2025.</p> <p>Francesca Lucchetti, Zixuan Wu, Arjun Guha, Molly Q Feldman &amp; Carolyn Jane Anderson. 2025. “Substance Beats Style: Why Beginning Students Fail to Code with LLMs.” <i>Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies (Volume 1: Long Papers)</i>. 2025.</p> <p>Federico Cassano, John Gouwar, Francesca Lucchetti, Claire Schlesinger, Anders Freeman, Carolyn Jane Anderson, Molly Q Feldman, Michael Greenberg, Abhinav Jangda &amp; Arjun Guha. “Knowledge Transfer from High-Resource to Low-Resource Programming Languages for Code LLMs”. <i>Proceedings of the ACM on Programming Languages</i>. Presented at the 2024 ACM SIGPLAN International Conference on Systems, Programming, Languages and Applications: Software for Humanity. 2024.</p> <p>Hannah McLean Babe, Sydney Nguyen, Yangtian Zi, Arjun Guha, Molly Q Feldman &amp; Carolyn Jane Anderson. “StudentEval: A Benchmark of Student-Written Prompts for Large Language Models of Code.” <i>Findings of the Association for Computational Linguistics</i>. 2024.</p> <p>Molly Q Feldman &amp; Carolyn Jane Anderson. “Non-Expert Programmers in the Generative</p>	

AI Future.” *Proceedings of the 3rd Annual Meeting of the Symposium on Human-Computer Interaction for Work*. 2024.

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.” *ACM CHI Conference on Human Factors in Computing Systems*. 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”. *IEEE Transactions on Software Engineering*. 2023.

Molly Q Feldman & Brian McInnis. ”How We Write with Crowds”. *Proceedings of the ACM on Human-Computer Interaction*. 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”. *Proceedings of the 2019 ACM SIGPLAN Symposium on SPLASH-E*. 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

Carolyn Jane Anderson & Molly Q Feldman. ”But \*How\* Do They Use It? Scaffolding the Introduction of Generative AI Across the SLAC Curriculum”. *Presented at the Innovations and Opportunities in Liberal Arts Computing Education Affiliated Event at the SIGCSE Technical Symposium*. 2025.

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.” *Presented at the ICSE 2024 Workshop on Large Language Models for Code*. 2024. **Awarded Best Presentation.**

#### INVITED TALKS

”Automatic Code Generation Through a Human Lens”

Human Factors Engineering Seminar, Tufts University, 21 November 2024

Department of Computer Science Colloquium, Harvey Mudd College, 7 March 2024

Department of Computer Science, Oberlin College, 1 March 2024

”Applying Newly Practical Techniques to Human-Centered Problems”

Department of Computer Science, Williams College, 28 April 2020 (Cancelled due to COVID-19)

”A Practical Guide to User Evaluation for PL Folk”

Programming Languages Seminar (PLDG), Cornell University, 26 February 2020

”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

”Salvaging Student Programs, Automatically”

Programming Languages Seminar (PLDG), Cornell University, 18 October 2017

”Building Better Automated Feedback Solutions”

Department of Computer Science, Brown University, 22 November 2016  
 Programming Languages Seminar (PLDG), Cornell University, 16 November 2016  
 “PL-based Educational Technology”  
 IFIP WG2.8 Meeting XXXIV, Lake Placid, NY, 18 July 2016

WORKSHOP PARTICIPATION	Small Liberal Arts Colleges and Generative Artificial Intelligence, The Alliance to Advance Liberal Arts Colleges, 9-11 August 2024	
INVITED PANELS	Women in STEM Faculty Panel, Oberlin College, 22 January 2024 Post-PhD Career Panel, Graduate Students for Gender Inclusion in Computing (GSGIC), Cornell University, 27 January 2022	
INDUSTRY	Research Intern, Google (Tutor Team)	Summer 2019
SELECTED AWARDS	W. M. Keck Foundation Faculty Fellowship, Oberlin College 4 x Cornell University Outstanding Teaching Assistant Award OOPSLA Distinguished Artifact Evaluation Committee Member	2024 - 2025 2016 - 2020 2018
UNDERGRADUATE RESEARCHERS	Trung Nguyen (Oberlin CS), Ha Nguyen (Oberlin CS), 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)  <i>Italics above denotes co-author on an accepted publication</i>	
PROFESSIONAL SERVICE	<b>Steering Committee</b> Programming Languages Mentoring Workshop Steering Committee SPLASH-E Steering Committee <b>PC Co-Chair</b> CHIWORK Workshop W1 SPLASH-E PLMW@SPLASH <b>PC Member</b> CHIWORK, HAI-GEN, HATRA HATRA, LIVE HCOMP, AAI, LIVE HCOMP, SPLASH-E, HATRA, LIVE HCOMP, SPLASH-E, HATRA, miniKanren SPLASH-E, HATRA OOPSLA AEC <b>External Reviewer</b> UIST CHI (2 x Reviewer Special Recognition) <i>Reviewing prior to 2021: CSCW, CHI, DIS WiP, AfriCHI</i>	2022 - 2024 2021 - 2023  2025 2023 2021 - 2024  2025 2024 2023 2022 2021 2020 2018  2025 2024
INSTITUTIONAL SERVICE	<b>At Oberlin College</b> Chair, Cognitive Science Program Committee Member, Cognitive Science Program Committee	2023 - 2024 2022 - 2023

	Member, Library General Faculty Committee	2022 - 2023
	Member, Hiring Committee, CS Department	2021, 2022, 2023
	<b>At Williams College</b>	
	Faculty Co-Advisor, Women in Computer Science (WiCS)	2020 - 2021
	Faculty Co-Liason, Computer Science Student Advisory Committee	2020 - 2021
	<b>At Cornell University</b>	
	Committee Member, Gates Hall Space Committee.	2018 - 2020
	Graduate Student Reader for CS PhD Admissions	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, 2025
	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	