MOLLY Q FELDMAN

CONTACT INFORMATION	Department of Computer Science 47 Lab Campus Drive Williams College Williamstown, MA http://www.feldmanmolly.com	mqf1@williams.edu

RESEARCH INTERESTS

Human-computer interaction, programming languages, crowdsourcing/human computation

CURRENT POSITION

Williams College, Williamstown, MA   2020 - 2021
  Visiting Assistant Professor of Computer Science
  Courses Taught: Human Work in Computational Systems (CS/STS 377); Introduction to Computer Science (CS 134)

EDUCATION

Cornell University, Ithaca, NY   2015 - 2020
  Ph.D., Computer Science
  Thesis: *Realizing the Human Potential of Program Synthesis & Crowdsourcing*
Cornell University, Ithaca, NY   2018
  M.S., Computer Science
Swarthmore College, Swarthmore, PA   2011 - 2015
  B.A., Mathematics and Computer Science
  Elected Phi Beta Kappa
  Course Work, Budapest Semesters in Mathematics, Spring 2014

PUBLICATIONS

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.

INVITED TALKS

"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

TEACHING EXPERIENCE	**Instructor**	2020 - 2021

Instructor — 2020 - 2021
CS/STS 377: Human Work in Computational Systems
Department of Computer Science,
Williams College

Co-Instructor — 2020 - 2021
CS 134: Introduction to Computer Science
Department of Computer Science,
Williams College

Lecturer — Fall 2019
CS 5306: Crowdsourcing and Human Computation
Department of Computer Science,
Cornell University

Head Graduate Teaching Assistant — Fall 2015, Spring 2019, Spring 2020
CS 4700: Foundations of Artificial Intelligence
Instructors: Haym Hirsh; Bart Selman
Department of Computer Science,
Cornell University
Awarded three Outstanding Teaching Assistant Awards

Head Graduate Teaching Assistant — Fall 2018
CS 5306: Crowdsourcing and Human Computation
Instructor: Haym Hirsh
Department of Computer Science,
Cornell University

Head Graduate Teaching Assistant — Spring 2017, Summer 2018
CS 1110: Introduction to Computing Using Python
Instructors: Erik Andersen, Lillian Lee; Graeme Bailey
Department of Computer Science,
Cornell University
Awarded an Outstanding Teaching Assistant Award

INDUSTRY EXPERIENCE

Research Intern — Summer 2019
Google Cambridge
Tutor Team

AWARDS

Outstanding Teaching Assistant Award — May 2020
Awarded by Haym Hirsh in acknowledgement of work as the Head TA of Cornell's CS 4700: Foundations of Artificial Intelligence.

Outstanding Teaching Assistant Award — May 2019
Awarded by Haym Hirsh in acknowledgement of work as the Head TA of Cornell's CS 4700: Foundations of Artificial Intelligence.

OOPSLA Distinguished Artifact Evaluation Committee Member — November 2018
Awarded in recognition of my contributions to the OOPSLA 2018 Artifact Evaluation Committee.

Outstanding Teaching Assistant Award May 2017
    Awarded by Lillian Lee and Erik Andersen in acknowledgement of work as the Head TA
    of Cornell's CS 1110: Introduction to Computing Using Python.

Outstanding Teaching Assistant Award May 2016
    Awarded by Bart Selman in acknowledgement of work as the Head TA of Cornell's CS
    4700: Foundations of Artificial Intelligence.

PROFESSIONAL SERVICE

Committee Member: HATRA 2020, SPLASH-E 2020, OOPSLA 2018 AEC - *Distinguished Reviewer Award*

Reviewer: CSCW 2020, CHI 2020 - *Special Recognition for Outstanding Review*, DIS WiP 2019, AfriCHI 2018

DEPARTMENTAL SERVICE

Faculty Co-Advisor, Women in Computer Science (WiCS), 2020 - Present
Faculty Co-Liason, Computer Science Student Acitvities/Advisory Committee, 2020 - Present
Committee Member, Gates Hall Space Committee, 2018 - 2020
Graduate Student Reader, Computer Science Department PhD Admissions Committee, 2019
Committee Member, Computing and Information Science Diversity Committee, 2017 - 2019
Co-Organizer, Programming Languages Discussion Group, Cornell University, 2016 - 2019
Colloquium Czar, Cornell University Computer Science, 2016 - 2017
Co-Organizer, Cornell Computer Science Prospective Student Visit Day, 2016

OUTREACH

Mentor, Programming Languages Mentoring Workshop (PLMW), 2020
Mentor, SIGPLAN Mentorship Program, 2020 - Present
Scientist, Skype a Scientist, 2020 - Present
Volunteer, Cornell Math Department Elementary School Outreach, 2016 - 2019
Fellow, Cornell Graduate Student School Outreach Program (GRASSHOPR), Spring 2017
Presenter, American Association of University Women (AAUW) TechSavvy, Spring 2017
Co-Leader, Expanding Your Horizons (EYH) workshop, 2016 - 2018
Mentor, Women in Computing at Cornell (WICC), 2016

MEMBERSHIPS

Member, Swarthmore College Chapter, Phi Beta Kappa
Elected, Swarthmore College Chapter, Sigma Xi
Member, Association for Computing Machinery (ACM), SIGPLAN, and ACM-W