MOLLY Q FELDMAN

CONTACT INFORMATION	442 Gates Hall Department of Computer Science Cornell University Ithaca, NY 14853 http://www.cs.cornell.edu/~molly/	401-741-8351 molly@cs.cornell.edu

RESEARCH INTERESTS

Educational technology, programming languages, human-computer interaction

EDUCATION

Cornell University, Ithaca, NY   August 2015 - Present
  Ph.D., Computer Science
    Relevant Courses: Advanced Programming Languages, Educational Technology, Advanced
    Human Computation, Advanced Systems
Swarthmore College, Swarthmore, PA   August 2011 - May 2015
  B.A., Mathematics and Computer Science, elected Phi Beta Kappa
  Course Work, Budapest Semesters in Mathematics, Spring 2014
    GPA: 3.88
    Relevant Courses: Structure and Interpretation of Computer Programs, Introduction to
    Programming Languages, Communication Complexity, Algorithms, Artificial Intelligence,
    Natural Language Processing, Probability, Graph Theory, Set Theory, Mathematical
    Logic

INVITED TALKS

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

AWARDS

Outstanding Teaching Assistant Award   May 2017
  Awarded by Prof. Lillian Lee and Prof. Erik Andersen in acknowledgement of work as the
  Head TA of Cornell's CS1110: Introduction to Computing Using Python.
Outstanding Teaching Assistant Award   May 2016
  Awarded by Prof. Bart Selman in acknowledgement of work as the Head TA of Cornell's
  CS4700: Foundations of Artificial Intelligence.
Heinrich W. Brinkmann Mathematics Prize   May 2015
  This prize is presented annually by Swarthmore College's Department of Mathematics and
  Statistic to the student or students who submit the best paper on a mathematical subject.
  Awarded for "How to Always Win Every Game: Combinatorial Game Theory and the
  Sprague-Grundy Theorem." Carries a cash prize and the opportunity for an invited talk.

RESEARCH EXPERIENCE

Graduate Research Assistant   August 2015 - present
  Department of Computer Science,
  Cornell University
  Area: Automated feedback tools for procedural problems in K-12 mathematics and CS1
  Advisor: Erik L. Andersen, Ph.D
Research Assistant (Summer@ICERM REU)   Summer 2014
  Institute for Computational and Experimental Research in Mathematics (ICERM),
  Brown University
  Project: "Computation and Analysis on Reinhardt Polygons with Multiple Prime Divisors"
  Advisor: Michael Mossinghoff, Ph.D (Davidson College)
Research Assistant   Summer 2013
  Department of Mathematics,
  Tufts University

Project: "Numerical Models for the time-dependent Heat and Stokes' Equations"
Advisors: Scott MacLachlan, Ph.D (Memorial University of Newfoundland) and James Adler, Ph.D.

TEACHING EXPERIENCE	**Head Graduate Teaching Assistant**	Spring 2017

Head Graduate Teaching Assistant Spring 2017
CS 1110: Introduction to Computing Using Python
Instructor: Erik L. Andersen Ph.D. and Lillian Lee Ph.D.
Department of Computer Science,
Cornell University
Awarded an Outstanding Teaching Assistant Award

Head Graduate Teaching Assistant Fall 2015
CS 4700: Foundations of Artificial Intelligence
Instructor: Bart Selman, Ph.D.
Department of Computer Science,
Cornell University
Awarded an Outstanding Teaching Assistant Award

Mathematics Teaching Assistant and Grader Spring 2015, Fall 2014, Spring 2012
Honors Multivariable Calculus and Linear Algebra
Instructors: Charles M. Grinstead, Ph.D and Scott Cook, Ph.D.
Department of Mathematics & Statistics,
Swarthmore College

Computer Science Teaching Assistant Fall 2013 and Fall 2012
Data Structures & Algorithms and Introduction to Computer Science
Instructors: Ameet Soni, Ph.D, Joshua Brody, Ph.D. and Jeff Knerr, Ph.D.
Department of Computer Science,
Swarthmore College

OUTREACH

Volunteer, Microsoft TEALS, Dewitt Clinton High School, Bronx, NY, 2017 - present
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 - present
Volunteer, Cornell Math Department Outreach, 2016 - Present
Mentor, Women in Computing at Cornell (WICC), 2016

DEPARTMENTAL SERVICE

Committee Member, Computing and Information Science Diversity Committee, 2017 - present
Co-Organizer, Programming Languages Discussion Group, Cornell University, 2016 - present
Colloquium Czar, Cornell University Computer Science, 2016 - present
Co-Organizer, Cornell Computer Science Prospective Student Visit Day, 2016

MEMBERSHIPS

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

MISCELLANEOUS

Computational Skills: Python, C#, Scheme/Racket, bash, LaTeX
Personal: Trained in Modern dance and classical Indian dance (Kathak and Odissi)