MEGAN LI

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EDUCATION

Carnegie Mellon University Fall 2024-present

PhD, Societal Computing

Advisors: Lorrie Cranor & Hoda Heidari

Harvey Mudd College May 2024

BS, Mathematics & Computer Science

High Distinction, Departmental Honors in Computer Science, Departmental Honors in Mathematics

Relevant Coursework: Neural Networks, Advanced Linear Algebra, Computational Statistics, Stochastic Processes, Programming Languages, Algorithms

PUBLICATIONS

[1] Bouma-Sims, E. R., **Li, M.**, Lin, Y., Sakura-Lemessy, A., Nisenoff, A., Young, E., Birrell, E., Cranor, L. F., and Habib, H. a us-uk usability evaluation of consent management platform cookie consent interface design on desktop and mobile. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (New York, NY, USA, 2023), CHI '23, Association for Computing Machinery.

[2] Choy, C., Young, E., **Li, M.**, Cranor, L. F., and Peha, J. M. consumer-driven design and evaluation of broadband labels. In *Proceedings of the 2023 Research Conference on Communications, Information and Internet Policy* (2023), TPRC51, SSRN.

[3] Habib, H., **Li, M.**, Young, E., and Cranor, L. "okay, whatever": an evaluation of cookie consent interfaces. In *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems* (New York, NY, USA, 2022), CHI '22, Association for Computing Machinery.

RESEARCH EXPERIENCE

Doctoral Researcher August 2024-current

Supervisors: Professors Lorrie Cranor and Hoda Heidari Carnegie Mellon University

- Leading and collaborating on two projects related to documentation, transparency, and risks of generative artificial intelligence

Lawrence Livermore National Laboratory August 2023-May 2024

Supervisors: Professor Naim Matasci (HMC), Robert Blake (LLNL) Harvey Mudd Clinic Program

- Developed software to use high performance computing for systematically testing and determining the empirical scaling law for a given scientific problem with the goal of understanding where neural networks can replace mathematical approximations in scientific simulation

MIT Summer Research Program & Fall Extension Program June-December 2023

Supervisor: Professor Peko Hosoi Massachusetts Institute of Technology

- Developed a metric to quantify the affordability of homes across the United States using Census Bureau data with the goals of identifying barriers to homeownership and evaluating the effects of existing and potential housing assistance programs

Research Experiences for Undergraduates in Software Engineering June - November 2022

Supervisor: Professor Lorrie Cranor Carnegie Mellon University

- *Broadband Labels Project*: Helped write and deploy two surveys to understand user needs for broadband internet plan labeling; analyzed responses from ∼4000 total participants to inform revision of label designs and include in a report to the Federal Communications Commission [2]
- *US-UK Cookie Consent Project*: Conducted qualitative data analysis and authored sections of paper for a study investigating US and UK citizens' expectations and understandings of cookie consent interfaces [1]

Undergraduate Research in Mathematics September 2021 - May 2022
Supervisor: Professor Susan Martonosi Harvey Mudd College

- Built a codebase in Python to model the spread of misinformation through a social network and evaluate the effects of network variables such as homophily, density, and size

Research Experiences for Undergraduates in Software Engineering June - October 2021
Supervisor: Professor Lorrie Cranor Carnegie Mellon University

- Developed a web-scraper to aggregate examples of cookie consent interfaces and identify commonly appearing deceptive patterns; helped write, build, deploy, and analyze results from user study to evaluate how deceptive patterns affect comprehension and use of consent interfaces [3]

WORK EXPERIENCE

Head Teaching Assistant, Algorithms (CS140) August 2023 - May 2024
Harvey Mudd College

- In addition to regular TA duties, coordinate/monitor weekly timelines and serve as a resource for all Algorithms teaching assistants

Teaching Assistant, Intro Computer Science (CS5) & Algorithms (CS140) August 2021 - May 2023
Harvey Mudd College

- Hold weekly office hours and proctor labs
- Grade weekly problem sets and coding assignments

Grading Assistant, Linear Algebra (MATH73) January - May 2022
Harvey Mudd College

- Grade two weekly problem sets (one computational, one proof-based)

SCHOLARSHIPS & HONORS

NSF Graduate Research Fellowship Honorable Mention April 2024

ASPIRE Illinois Campus Visit Program October 2023
graduate recruitment program covering travel, lodging, meals at UIUC

Grace Hopper Conference Scholarship September 2023
registration fees, travel, lodging for the Grace Hopper Conference

USENIX Diversity Grant January 2023
to attend Enigma conference; declined

USENIX Diversity Grant July 2021
to attend Symposium on Usable Privacy and Security

EXTRACURRICULARS & SERVICE

Faculty Search Committee Member (Harvey Mudd CS Department) Oct-Dec 2023
Leadership, 5C Chapter of Association for Computing Machinery - Women May 2023 - May 2024
Senator, Associated Students of Harvey Mudd College May 2023 - May 2024
President, South Dorm May 2023 - May 2024