MEGAN LI

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EDUCATION

Carnegie Mellon University Fall 2024-present

Societal Computing PhD Student

Advisors: Lorrie Cranor & Hoda Heidari

Harvey Mudd College May 2024

Mathematics & Computer Science

GPA: 3.91

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

Lawrence Livermore National Laboratory August 2023-May 2024

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

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

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 publicly available Census Bureau data
- Used this metric as a framework to visualize how affordability varies by geographical area, identify renters' potential barriers to homeownership, and evaluate 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]
- *Conversational Privacy Project*: Developed and deployed a web app for a project exploring a conversational model for privacy policies

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
- Simulated possible interventions to the propagation of false information such as the injection of truthful news and misinformation flagging

Research Experiences for Undergraduates in Software Engineering June - October 2021

Supervisor: Professor Lorrie Cranor Carnegie Mellon University

- Guided experimental design by developing a web-scraper to find real-life examples of cookie consent interfaces and identifying 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 - Present

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, Algorithms (CS140) January - May 2023

Harvey Mudd College

- Hold weekly office hours to help with homework and/or general questions about the course material
- Grade weekly problem sets, provide specific feedback on structure and content of written proofs

Teaching Assistant, Introduction to Computer Science (CS5) August 2021 - December 2022

Harvey Mudd College

- Hold weekly office hours and attend lab sessions to help with homework and/or general questions about the course material
- Grade weekly problem sets, provide specific feedback on clarity and correctness of code

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

Harvey Mudd College

- Grade two weekly problem sets (one computational and one proof-based), provide specific feedback on correctness, clarity, and structure of writing

SCHOLARSHIPS & HONORS

NSF Graduate Research Fellowship Honorable Mention April 2024

ASPIRE Illinois Campus Visit Program October 2023
Travel, lodging, and meals to preview UIUC's graduate programs

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

USENIX Diversity Grant January 2023
Registration fees and travel to Enigma conference; declined

USENIX Diversity Grant July 2021
Two registration fees to 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 - Present

Senator, Associated Students of Harvey Mudd College May 2023 - Present

President, South Dorm May 2023 - Present

Social Chair, South Dorm August 2022 - May 2023

Designer, Spectrum Yearbook August 2021 - May 2022

Graphics Artist, The Student Life Newspaper September - December 2020