
Meryl Ye

merylye@cmu.edu • merylye.github.io

Education

Carnegie Mellon University, Pittsburgh, PA Aug. 2024 – Present
Ph.D., Societal Computing, *Advisor: Patrick Park*

Cornell University, Ithaca, NY Aug. 2020 – Dec. 2023
B.S., Computer Science with Honors, *magna cum laude*

Research Experience

Software and Societal Systems Department, Carnegie Mellon University
Advisor: Patrick Park Aug 2024 – Present

- Research Interests: Social networks, online communities, information movement, opinion dynamics

Department of Computer Science, Cornell University
Advisor: Jon Kleinberg Aug 2023 – Feb 2024

- Analyzed the movement of users and information across Reddit communities.
- Performed quantitative analysis (regression analysis, trend mapping) on Reddit data to identify patterns in user behavior and how they relate to community characteristics.

Robots in Groups Lab, Department of Information Science, Cornell University
Advisor: Malte Jung June 2021 – December 2023

- Explored how to incorporate ludic design into human-robot interaction to create more playful robots.
- Conducted lab and field studies using mixed-methods research protocols.
- Designed and built physical robots (CAD modeling, rapid prototyping).

Department of Information Science, Cornell University
Advisor: Qian Yang Feb 2021 – May 2021

- Investigated data-driven AI design opportunities within women's health and intimate technologies.
- Analyzed online discourses to understand user needs and to envision potential solutions.

Work Experience

Cisco, San Jose, CA
Technical Intern I June 2023 – Aug 2023

- Re-implemented Neo4j configuration database schema generation and insertion logic to separate from application-server's startup workflow in Java.
- Solution improved schema inconsistency detection as well as avoidance.

Verizon, Richardson, TX
Network Engineering Intern June 2022 – Aug 2022

- Implemented an improved database webserver using MySQL, PHP, CSS, and other web development tools.
- Business impact increased efficiency for the QA and metrics team by retiring legacy platforms and creating automation—consequently improving accuracy of data for the quality assurance team.

Honors & Awards

Rawlings Cornell Presidential Research Scholar, Cornell University 2020 – 2023
John McMullen Dean's Scholar, Cornell University 2020 – 2023
Dean's List (all semesters), Cornell University 2020 – 2023

Papers

Katherine Van Koeving, **Meryl Ye**, and Jon Kleinberg. What's in a Niche? Migration Patterns in Online Communities. (Working paper)

Katherine Van Koeving, **Meryl Ye**, and Jon Kleinberg. Word Ordering and Language Conventions in Hathitrust Texts. (Working paper)

Meryl Ye, Eike Schneiders, Wen-Ying Lee, and Malte Jung. 2023. The Future of Home Appliances: A Study on the Robotic Toaster as a Domestic Social Robot. 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN).

Meryl Ye, Rei (Wen-Ying) Lee, Johan Michalove, and Jessie Wong. 2023. Toaster Bot: Designing For Utility and Enjoyability in the Kitchen Space. In Companion of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI '23 Companion).

Teaching

Teaching Assistant, Carnegie Mellon University

Network Analysis (17-338 / 17-668)

Fall 2024

Service

CMU Graduate Student Association, S3D Student Representative

2024–Present