Shirley Zhang

Ph.D. Student · Computer Science

1415 Engineering Dr. Madison, WI, USA, 53704

📱 (+1) 206-669-6714 | ✉ hzhang664@wisc.edu | 🏠 www.annienobear.com | 🔗 annienobear | 💼 Hailun Zhang

Research Interest

I develop practical privacy-enhancing solutions that empower all users, particularly those in at-risk populations, to achieve accessible privacy and security. Through qualitative research, system building, and interdisciplinary methods incorporating social science concepts, I study user interactions and explore how technology can be designed to reduce barriers to privacy and security. I work at the intersection of computer science, human-computer interaction, privacy and security, and social sciences.

Education

University of Wisconsin, Madison *Madison, WI, USA*
Ph.D. in Computer Science *Aug. 2023 - Current*
- Advisor: Prof. Kassem Fawaz

University of Michigan, Ann Arbor *Ann Arbor, MI, USA*
B.S. in Computer Science *July. 2021 - May. 2023*
- Award: James B. Angell Scholar

University of Washington, Seattle *Seattle, WA, USA*
Informatics *Aug. 2018 - June. 2021*

Publications

Chen, S., **Zhang, H.**, & Austin, T. (2025). Zipper: Latency-Tolerant Optimizations for High-Performance Buses. In 30th Asia and South Pacific Design Automation Conference (ASPDAC '25)

Zhang, S., Li, J., Cagiltay, B., Kirkorian, H., Mutlu, B., and Fawaz, K. (Submitted, Under Review, 2024) A Qualitative Exploration of Family Preferences, Conflicts, and Emerging Dynamics Around Shared Usage for ChatGPT *Family Relations*.

Zhang, S., Cagiltay, B., Li, J., Kirkorian, H., Mutlu, B., and Fawaz, K. (Submitted, Under Review, 2024) Exploring Risks and Opportunities for Families' (Co)-Use of Generative AI: A Multi-User Perspective.

West, J., Cagiltay, B., **Zhang, S.**, Li, J., Fawaz, K., and Banerjee, S. (Submitted, Under Review, 2024) "Impressively Scary:" Exploring User Perceptions and Reactions to Unraveling Machine Learning Models in Social Media Applications.

Research Experience

Graduate Research Assistant – *Wisconsin Privacy and Security Group* *Madison, WI, USA*
Advisor: Prof. Kassem Fawaz *Aug 2023 – Ongoing*
- Build system and perform user study to achieve "privacy-aware" systems.
- Laboratory Website: https://wiscprivacy.com/

Undergraduate research – *ADA lab of Umich* *Ann Arbor, MI, USA*
Advisor: Prof. Todd Austin *Aug 2022 – April 2023*
- Project: Zipper: Latency-Tolerant Optimizations for High-Performance Buses

3-day Workshop – *Cylab of CMU* *Pittsburgh, PA, USA*
Advisor: Prof. Lorrie Faith Cranor *Oct 2022*
- Project: Cookie Consent Perception Using Alternative Category Names

SEAL lab of UW *Seattle, WI, USA*
Undergrad researcher *March 2021*
- Project: Air condition monitor iOS application

Service and Outreach

2024-Cur	**Tech Clinic**, Consultant Volunteer. Provides free tech consultations to local IPV survivors	*Madison, WI*
2023-2024	**ACM's Women in Computing**, Peer Mentor Volunteer. Mentors undergraduate women and non-binary CS students.	*Madison, WI*