

Research Interests

Social Computing; Remote collaboration; Team Communication; Human-AI Interaction; Responsible AI

Education

- 2020–present **University of Washington, Seattle, Washington,**
Ph.D. in Computer Science and Engineering,
Advisor: Amy X. Zhang.
Courses: CSE 517: Natural Language Processing, CSE 599 Social and Collaborative Computing, HCDE 548: Feminist Theory, CSE 599 Interactive Data Analysis Systems
- 2015–2019 **Macalester College, St. Paul, Minnesota,**
B.A. in Sociology (honor) and Mathematics, minor in Computer Science,
Cum Laude and *Phi Beta Kappa*.

Publications

Conference & Journal Papers

- [C.11] **Ruotong Wang**, Xinyi Zhou, Lin Qiu, Joseph Chee Chang, Jonathan Bragg, Amy X. Zhang. Social-RAG: Retrieving from Group Interactions to Socially Ground AI Generation. In *Proceedings of the ACM Conference on Human Factors in Computing Systems*. (**CHI 2025**).
- [C.10] **Ruotong Wang**, Regina Cheng, Denae Ford, Thomas Zimmermann. Investigating and Designing for Trust in AI-powered Code Generation Tools. In *The 2024 ACM Conference on Fairness, Accountability, and Transparency*. (**FAccT 2024**).
- [C.9] Regina Cheng, **Ruotong Wang**, Thomas Zimmermann, Denae Ford. “It would work for me too”: How Online Communities Shape Software Developers’ Trust in AI-Powered Code Generation Tools. In *ACM Transactions on Interactive Intelligent Systems*. (**TIIS 2024**).
- [C.8] **Ruotong Wang**, Lin Qiu, Justin Cranshaw, Amy X. Zhang. Meeting Bridges: Designing Information Artifacts that Bridge from Synchronous Meetings to Asynchronous Collaboration. In *Proceedings of the ACM on Human-Computer Interaction*. (**CSCW 2024**).
- [C.7] Shagun Jhaver, Alice Zhang, Quan Ze Chen, Ms Nikhila Natarajan, **Ruotong Wang**, Amy Zhang. Personalizing Content Moderation on Social Media: User Perspectives on Moderation Choices, Interface Design, and Labor. In *Proceedings of the ACM on Human-Computer Interaction*. (**CSCW 2023**).
- [C.6] Leijie Wang, **Ruotong Wang**, Sterling Williams-Ceci, Sanketh Menda, Amy Zhang. “Is Reporting Worth the Sacrifice of Revealing What I’ve Sent?”: Privacy Considerations When Reporting on End-to-End Encrypted Platforms. In *Nineteenth Symposium on Usable Privacy and Security*. (**SOUPS 2023**).
- [C.5] Rock Pang, **Ruotong Wang**, Joely Nelson, Leilani Battle. How Do Data Scientists Communicate Intermediate Results? Conditionally accepted to *IEEE visualization in data science*. (**VDS@VIS 2022**).
- [C.4] Ye Yuan, Jan Cao, **Ruotong Wang**, Svetlana Yarosh. Tabletop Games in the Age of Remote Collaboration: Design Opportunities for a Socially Connected Game Experience. In *Proceedings of the ACM Conference on Human Factors in Computing Systems*. (**CHI 2021**). **Best Paper Honorable Mention**
- [C.3] Adriana Alvarado Garcia*, Juan F. Maestre*, Dr Manuhua Barcham Archetekt*, Marilyn Iriarte*, Marisol Wong-Villacres*, Oscar A Lemus*, Palak Dudani*, Pedro Reynolds-Cuéllar*, **Ruotong Wang***, Teresa Cerratto*. Decolonial Pathways: Our Manifesto for a Decolonizing Agenda in HCI Research and Design. In *Proceedings of the ACM Conference on Human Factors in Computing Systems*. (**alt.chi 2021**).

- [C.2] **Ruotong Wang**, F. Maxwell Harper, Haiyi Zhu. Factors Influencing Perceived Fairness in Algorithmic Decision-Making: Algorithm Outcomes, Development Procedures, and Individual Differences. In *Proceedings of the ACM Conference on Human Factors in Computing Systems*. (**CHI 2020**).
- [C.1] Hao-Fei Cheng, **Ruotong Wang**, Zheng Zhang, Fiona O'Connell, Terrance Gray, F. Maxwell Harper, Haiyi Zhu. Explaining Decision-Making Algorithms through UI: Strategies to Help Non-Expert Stakeholders. In *Proceedings of the ACM Conference on Human Factors in Computing Systems*. (**CHI 2019**).

Manuscripts

- [I.1] Sarah McRoberts, Josh Wissbroecker, **Ruotong Wang**, F. Maxwell Harper. Exploring Interactions with Voice-Controlled TV. *Pre-submission to Arxiv*. <https://arxiv.org/abs/1905.05851>

Workshop Position Papers

- [W.6] **Ruotong Wang**. Designing socially grounded AI applications to support team communication in remote work. In *3rd Annual Meeting of the Symposium on Human-Computer Interaction for Work*. (**CHIWORK 2024**).
- [W.5] **Ruotong Wang**, Ye Yuan, Amy Zhang. Leveraging Communication Data to Support Workers' Learning in Collaborative Complex Work. In *Supporting Workers in Developing Effective Collaboration Skills for Complex Work at the ACM Conference on Computer Supported Cooperative Work and Social Computing*. (**CSCW 2023**).
- [W.4] **Ruotong Wang**, Justin Cranshaw, Amy Zhang. Connecting Conversations through Human-AI Collaboration in Hybrid-Remote Workplaces. In *Human-Machine Partnerships in the Future of Work: Exploring the Role of Emerging Technologies in Future Workplaces at the ACM Conference on Computer Supported Cooperative Work and Social Computing*. (**CSCW 2021**).
- [W.3] **Ruotong Wang**. Rethinking Cross-cultural HCI Research from a Decolonial Perspective. In *Decolonizing Learning Spaces for Sociotechnical Research and Design Workshop at the ACM Conference on Computer Supported Cooperative Work and Social Computing*. (**CSCW 2020**).
- [W.2] **Ruotong Wang**, F. Maxwell Harper, Haiyi Zhu. How Self-Interest Affects Perceived Fairness of Algorithmic Decision Making. In *Participation+Algorithms Workshop at the ACM Conference on Computer Supported Cooperative Work and Social Computing*. (**CSCW 2019**).
- [W.1] **Ruotong Wang**. Uber Effort: The Production of Workers' Consent in Online Ride Sharing Platforms. In *Undergraduate Roundtable at the 2019 Midwest Sociological Society Annual Meeting*.

Honors and Awards

- 01/2025 Special Recognition for Outstanding Reviews @ CHI
- 10/2024 Special Recognition for Outstanding Reviews @ CSCW
- 05/2024 Special Recognitions for Outstanding Reviews*2 @ UIST
- 04/2024 Special Recognitions for Outstanding Reviews*2 @ CSCW
- 03/2024 Special Recognition for Outstanding Review @ CHI Late-breaking work
- 01/2024 Special Recognitions for Outstanding Reviews*3 @ CHI
- 05/2021 CHI Best Paper Honorable Mention
- 10/2020 Paul G. Allen First-Year Graduate Student Fellowship
- 04/2019 Macalester Berry-Rinder-Swain Prize in Sociology
- 04/2019 Minnesota Student Employee of the Year by the National Student Employment Association
- 04/2019 Macalester Student Employee of the Year (as a program assistant of international student office)
- 09/2018 Alpha Kappa Delta International Sociology Honor Society

Teaching Experience

University of Washington

- 03/2024 Guest Lecturer, CSE 481p: Generative AI and Social Computing
- 01/2024 Guest Lecturer, CSE 481p: Using GenAI to Prototype Social Computing Systems
- Winter 2024 Teaching Assistant, CSE 481p: Social Computing Capstone
- 03/2023 Guest Lecturer, CSE 481p: Landscape of Social Computing Systems
- 05/2022 Guest Lecturer, ACM-W Engineer Your Passion, Intro to HCI & Social Computing: Building technologies that connect people together
- 03/2022 Guest Lecturer, CSE 481p: Designing AI for Communities
- 02/2022 Guest Lecturer, CSE 481p: Being On All the Time
- Winter 2022 Teaching Assistant, CSE 481p: Social Computing Capstone
- Fall 2021 Teaching Assistant, CSE 440: Introduction To HCI: User Interface Design, Prototyping, And Evaluation

Macalester College

- Spring 2019 Teaching Assistant, COMP/MATH 479: Network Science

Service

Student Volunteer: CSCW 2020, CHI 2022, C&C 2023, FAccT 2024

Reviewer (* for Special Recognitions for Outstanding Review): CSCW 2020, CHI 2021, DIS 2021, ICWSM 2022, CSCW 2022, CHI 2022, CHI 2022 Late-Breaking Work, New Media & Society, DIS 2023, CHI 2023, CSCW 2023, CSCW 2024(*), CHI 2024(*), CHI 2024 Late-Breaking Work(*), UIST 2024(*), CSCW 2025(*)

Departmental @ UW: Graduate Student Volunteer Coordinator 2024-2025, DEI Student Representative 2024-2025, DUB Seminar Student Host 2024, Allen School Faculty Recruiting Liaison 2024, Allen School PhD Admissions Area Chair and Reviewer 2022, 2023, New Graduate Student Mentor 2021, 2024, Women's Research Day Volunteer 2021, Prospective Student Committee Chair 2021, CSE PhD Pre-Application Review Service (PARS) Organizer & Mentor 2020, 2021

Technical Skills

- Research Interview (in-person and remote), Survey, Participant Observation, Usability testing, Statistical modeling & analysis, Experimental design
- Data Analysis Python (scikit-learn, spaCy, NumPy, pandas), R (dplyr, ggplot2), SQL, SPSS
- Development JavaScript, React, HTML/CSS, Java