Leijie Wang

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Research Interests

Social Computing; Human-AI Interaction; Fairness, Accountability, and Transparency

Education

2022 – Present   **University of Washington** – Seattle, WA
PhD in Computer Science and Engineering
Advisor: Amy X. Zhang

2017 – 2022   **Tsinghua University** – Beijing, China
B.Eng. in Computer Science and Engineering
Tsinghua Presidential Scholarship (Highest honor for 10 undergraduates every year)
GPA 3.90/4.00, Ranked 4/225

2019 – 2020   **New College, Oxford University** – Oxford, United Kingdom
Visiting Student, Computer and Philosophy

Publications

CONFERENCE PUBLICATIONS

[c.6]   **Leijie Wang**, Nicolas Vincent, Julija Rukanskaitė, Amy X. Zhang. 2023. Pika: Empowering Non-Programmers to Author Executable Governance Policies in Online Communities. *Under review of CHI'24.*

[c.5]   Han Zhang, **Leijie Wang**, Yilun Sheng, Koustuv Saha, Xuhai Orson Xu, Jennifer Mankoff, Anind K Dey. 2023. A Framework for Fair Ubiquitous Computing: From Identifying Stakeholders through Regular Monitoring. *Under review of IMWUT'23.*

[c.4]   **Leijie Wang**, Ruotong Wang, Sterling Williams-Ceci, Sanketh Menda, Amy X. Zhang. 2023. "Is Reporting Worth the Sacrifice of Revealing What I Have Sent?": Privacy Considerations When Reporting on End-to-End Encrypted Platforms. *Nineteenth Symposium on Usable Privacy and Security (SOUPS'23).*

[c.3]   **Leijie Wang**, Steven Wu, Haiyi Zhu. 2022. How Are Machine Learning Based Online Content Moderation Systems Actually Used? Studying Community Size, Local Activity, and Disparity Treatment. *Proceedings of the 2022 ACM Conference on Fairness, Accountability, and Transparency (FAccT'22).*

[c.2]   Hong Shen, **Leijie Wang**, Wesley Hanwen Deng, Ciell, Ronald Velgersdijk, Haiyi Zhu. 2022. The Model Card Authoring Toolkit: Toward Community-centered, Deliberation-driven AI Governance. *Proceedings of the 2022 ACM Conference on Fairness, Accountability, and Transparency (FAccT'22).*

[c.1]   Will Epperson, Doris Jung-Lin Lee, **Leijie Wang**, Kunal Agarwal, Aditya Parameswaran, Marti Hearst, Dominik Moritz, Adam Perer. 2022. Leveraging Analysis History for Improved In Situ Visualization Recommendation. *Eurographics Conference on Visualization (EuroVis'22).*

WORKSHOP PAPERS AND POSTERS

[w.1]   Han Zhang, **Leijie Wang**, Yilun Sheng, Xuhai Orson Xu, Jennifer Mankoff, Anind K Dey. 2023. A Framework for Fair Ubiquitous Computing. *Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing (UbiComp/ISWC '23 Adjunct).*

Research experience

06/2023 – 09/2023   Research Intern, **AI & Society Group, Microsoft Research**
Advisor: Scott Counts
Understand the challenges knowledge workers face when interacting with generative conversational agents.

08/2022 – Present   Research Assistant, **Social Futures Lab, University of Washington**
Advisor: Amy X. Zhang
Understand and build content moderation systems that are accessible to people who are invested in privacy [c.4], and non-programmers [c.6].

06/2021 – 12/2021   Research Assistant, **Data Interaction Group, Carnegie Mellon University**
Advisors: Adam Perer & Dominik Moritz
Building visualization recommendation systems based on analysis history [c.1].

06/2020 – 06/2022   Research Assistant, **Social AI Group, Carnegie Mellon University**
Advisors: Haiyi Zhu & Steven Wu
Facilitating public deliberation of algorithmic decisions [c.2], exploring the actual use of algorithmic flagging systems in Wikipedia [c.3], and incorporating fair algorithms into the Python toolkit FairLearn.

10/2018 – 07/2019	Research Assistant, **Knowledge Engineering Group, Tsinghua University**

Advisor: Jie Tang

Exploring recommendation algorithms based on networking embedding theories.

Honors and scholarships

2020   Tsinghua Presidential Scholarship, Tsinghua University
Highest undergraduate scholarship awarded to top 10 out of 3000+ undergraduates.

2020   Finalist Award in the Mathematical Contest in Modeling
Awarded to top 1% of all teams

2019   Yinghua Scholarship, Tsinghua University
Full scholarship for one-year exchange program at University of Oxford, $66,000 in total.

2019   Jiang Nanxiang Scholarship, Tsinghua University
Awarded for overall excellence, top 1% of all students.

2017   The First Prize Scholarship for 2017 Freshmen, Tsinghua University
Awarded to the highest scorer among 300,000 students in the National College Entrance Examination.

Invited Talks and Panels

2023   Privacy Considerations When Reporting on End-to-End Encrypted Platforms
Panel: The Experience of Reporting Abuse Online, Trust and Safety Research Conference.

Technical skills

Programming languages
Python, HTML/CSS/JavaScript, C/C++, Java, R, MATLAB, LaTeX

Languages
Native in Mandarin; Fluent in English

Other
Figma, qualitative and quantitative research methods