

# Leijie Wang

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## Research Interests

Social Computing; Human-AI Interaction; End-User Personalization

## Education

- 2022 – Present    **University of Washington** – Seattle, WA  
PhD in Computer Science and Engineering  
*Advisor:* Amy X. Zhang
- 2022 – 2024    M.S Computer Science and Engineering
- 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.11]    **Leijie Wang**, Otilia Stretcu, Ranjay Krishna, Ariel Fuxman. 2025. Agile Deliberation: Concept Deliberation for Subjective Visual Classification. *Manuscript under review*.
- [c.10]    **Leijie Wang**, Kathryn Yurechko, Amy X. Zhang. 2025. Promptimizer: User-Led Prompt Optimization for Personal Content Classification. *Manuscript under review*.
- [c.9]    **Leijie Wang**, Weizi Wu, Lirong Que, Nirvan Tyagi, Amy X. Zhang. 2025. From Inquisitorial to Adversarial: Using Legal Theory to Redesign Online Reporting Systems. *Manuscript under review*.
- [c.8]    Alicia Guo, Shreya Sathyanarayanan, **Leijie Wang**, Jeffrey Heer, Amy X Zhang. 2025. From pen to prompt: how creative writers integrate AI into their writing practice. *Proceedings of the 2025 Conference on Creativity and Cognition (C&C'25)*.

- [c.7] **Leijie Wang**, Kathryn Yurechko, Pranati Dani, Quan Ze Chen, Amy X. Zhang. 2025. End User Authoring of Personalized Content Classifiers: Comparing Example Labeling, Rule Writing, and LLM Prompting. *The ACM Conference on Human Factors in Computing Systems (CHI'2025)*.
- [c.6] **Leijie Wang**, Nicolas Vincent, Julija Rukanskaitė, Amy X. Zhang. 2024. Pika: Empowering Non-Programmers to Author Executable Governance Policies in Online Communities. *The ACM Conference on Human Factors in Computing Systems (CHI'2024)*.
- [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. *arxiv*.
- [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

- 06/2024 – 09/2024* Research Intern, **Ads & Safety, Google**  
*Advisor: Wei Qiao, Otilia Stretcu, Ranjay Krishna*  
Empower subjective vision classifiers through LLM-supported concept deliberation [c.10].
- 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

- 2024 Pika: Empowering Non-Programmers to Author Executable Governance Policies in Online Communities, *PLATEAU: 14th Annual Workshop on the Intersection of HCI and PL*
- 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