Stephanie T. Wang

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Education

2023 – Present	**University of Pennsylvania**, Philadelphia, PA **PhD in Computer Science, Human-Computer Interaction group** Advisor: Danaë Metaxa.
2019	**Stanford University**, Stanford, CA **MS in Computer Science, Artificial Intelligence track**
2017	**Stanford University**, Stanford, CA **BS in Symbolic Systems, Artificial Intelligence track**
Fall 2016	**Oxford University**, Oxford, UK Bing Overseas Studies Program

Publications

† Indicates equal contribution.

Working Papers

[6]   What's Political on TikTok? Investigating Perceptions, Prevalence, and Predictors of User Exposure to Political Content on TikTok.
Jason Greenfield, **Stephanie Wang**, Samuel Jung, Sanjana Gautam, Kevin Yang, Danaé Metaxa.
Revision.

[5]   Measuring Individuals' News Exposure and Engagement in Information Ecosystems
Shengchun Huang, **Stephanie Wang**, Alvin Zhou and Danaë Metaxa.
In progress.

[4]   Auditing Race and Gender Biases in Health and Well-being Online Advertisements
Stephanie Wang, Renee Wurth, Lena Armstrong, Danaë Metaxa.
Under review.

Refereed Conference Publications

[3]   Lower Quantity, Higher Quality: Auditing News Content and User Perceptions on Twitter/X's Algorithmic versus Chronological Timelines
Stephanie Wang[†], Shengchun Huang[†], Alvin Zhou and Danaë Metaxa.
Proceedings of The ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'24). [Paper]

[2]	Training Classifiers with Natural Language Explanations
	Braden Hancock, Paroma Varma, **Stephanie Wang**, Martin Bringmann, Percy Liang, and Chris Ré.
	Proceedings of Association for Computational Linguistics (ACL'18). [Paper]

Conference Presentations

2025	Passive News Exposure and Active News Engagement in All-web Information Ecosystems. Shengchun Huang, **Stephanie Wang**, Alvin Zhou, Danaé Metaxa. International Conference on Computational Social Science (IC2S2). Norrköping, Sweden. July 21-24.
2025	Perceiving Politics on TikTok: A User-Centered Approach to Understanding Political Content on TikTok. Jason Greenfield, **Stephanie Wang**, Danaé Metaxa. News Futures Workshop, The ACM CHI conference on Human Factors in Computing Systems (CHI'25). Yokohama, Japan. April 26.
2024	Lower Quantity, Higher Quality: Perceptions and Impact of Algorithmic News Curation on Twitter/X. **Stephanie Wang**, Shengchun Huang, Alvin Zhou, Danaé Metaxa. International Conference on Computational Social Science (IC2S2). Philadelphia, PA. July 17-20. Northeast HCI Meeting. Pittsburgh, PA. May.

Honors and awards

2025	**Penn Engineering Outstanding Service Award**
2024	**Amazon Web Services (AWS) AI ASSET Fellow**
	Awarded $70,000 in support of one year of graduate study.
2023	**Penn Engineering Manjushri Fellow**
	Awarded $3,000 to select number of incoming PhD students.

Research experience

2023 – Present	**Research Assistant, University of Pennsylvania**
	PI: Danaë Metaxa. Working on software that enables data collection for large-scale sociotechnical audits of social computing systems such as ad delivery and newsfeed recommendations.
2018 – 2019	**Research Assistant, Stanford University**
	PI: Chris Ré. Worked on natural language interfaces for creating machine learning datasets. Contributed to projects on improving machine learning/ data science workflows (see pub [2]).
2015	**Research Assistant, Stanford University**
	PI: James Landay. Worked on the Smart Primer project.

Teaching

Spring 2024	**Head Teaching assistant, CIS 512: Intro to Human-Computer Interaction**
	Taught by Andrew Head, University of Pennsylvania, Philadelphia, PA

Winter 2018, 2019	**Teaching assistant, CS 228: Probabilistic Graphical Models** Taught by Stefano Ermon, Stanford University, Stanford, CA
Spring 2018	**Teaching assistant, CS 224U: Natural Language Understanding** Taught by Chris Potts, Stanford University, Stanford, CA

Professional Activities and Service

Departmental Service at University of Pennsylvania

2024 – Present	Organizer, CIS PhD Mentorship Program
2024 – Present	Representative, School of Engineering and Applied Science Diversity Advisory Board

Reviewing

2025	CSCW, UIST, IC2S2

Industry experience

2020 - 2022	**Apple, Cupertino** **Software Engineer – AI/ML** Worked on infrastructure supporting Siri, search and recommendations. Built and scaled search infrastructure that store, index and search data while protecting user privacy and security. Led development, testing and deployment of real-time search indexing that serves live data to user-facing domains such as Apple News, Weather, Sports. Volunteered in an organization-wide initiative to conduct candidate interviews with an emphasis on promoting inclusivity and diversity.
2019-2020	**Sisu Data, San Francisco** **Member of Technical Staff – Platform Engineering** Worked closely with product managers and product designers as an early engineering hire to launch core features of the data analytics platform. Implemented an user-interface allowing customers to examine individual factors affecting their KPIs. Optimized run-time and improved the scalability of the core, in-house statistical data mining algorithm. Shaped the candidate interview process, conducted interviews and mentored new engineers.

Skills

Programming
Python, R, JavaScript, SQL, Java, C, C++, HTML/CSS
Pytorch, Tensorflow, Pandas, scikit-learn
Software
LaTeX, Git, Jupyter Notebook, RStudio
Languages
English (native), Chinese Mandarin (advanced), French (intermediate)