Stephanie T. Wang

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Education

2023 – Present	**Univesity of Pennsylvania**, Philadelphia, PA **PhD in Computer Science, Human-Computer Interaction track** Advisor: Professor Danaë Metaxa. *Selected coursework:* Human-Computer Interaction (CS 512), Critical Perspectives on Online Trust and Safety (COMM 501)
2017 – 2019	**Stanford University**, Stanford, CA **MS in Computer Science, Artificial Intelligence track** *Selected coursework:* Artificial Intelligence (CS 221), Machine Learning (CS 229), Mining Massive Datasets (CS 246), Natural Language Understanding (CS 224U)
2013 – 2017	**Stanford University**, Stanford, CA **BS in Symbolic Systems, Artificial Intelligence track**

Honors and awards

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

Publications

[2] 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).

[1] 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).

Research experience

2023 – Present	**University of Pennsylvania** Research Assistant Mentors: Professor 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	**Stanford University** Research Assistant Mentors: Professor Chris Ré. Worked on natural language interfaces for creating machine learning datasets. Contributed to projects on improving machine learning/ data science workflows that are now part of snorkel.ai.
2015	**Stanford University** Research Assistant Mentors: Professor James Landay. Worked on the Smart Primer project.

Teaching

Spring 2024	**Head Teaching assistant, CIS 512: Intro to Human-Computer Interaction** University of Pennsylvania, Philadelphia, PA
Winter 2019	**Teaching assistant, CS 228: Probabilistic Graphical Models** Stanford University, Stanford, CA
Winter 2018	**Teaching assistant, CS 228: Probabilistic Graphical Models** Stanford University, Stanford, CA
Spring 2018	**Teaching assistant, CS 224U: Natural Language Understanding** Stanford University, Stanford, CA

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.

Talks and tutorials

2024	Lower Quantity, Higher Quality: Perceptions and Impact of Algorithmic News Curation on Twitter/X
	International Conference on Computational Social Science (IC2S2), Philadelphia, PA. July, 2024
	Northeast HCI Meeting, Pittsburgh, PA. May, 2024

Mentorship and service

2024 – Present	**UPenn CS PhD Mentorship Program Organizer**

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), Mandarin (intermediate), French (intermediate)