Wanyi Chen

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https://wanyichen.github.io

EDUCATION

2021-Present | Duke University (All but dissertation, expected graduation Dec 2025)
   Ph.D. student in Computer Science, Advisor: Dr. Mary (Missy) Cummings
   Research interests: Responsible AI, Human-AI Interaction

2015-2019 | University of North Carolina at Chapel Hill
   B.A. in Computer Science and Cultural Studies, minor in Entrepreneurship

TEACHING & MENTORSHIP

Summer 2025 | Program manager | George Mason University | Summer research program
   Mentored three high school students to implement a web app related to my doctoral thesis research

Fall 2024 | Mentor | George Mason University | Integrating Art & Tech
   Mentored an undergraduate independent study course where three student teams created artworks
   incorporating technological components

Summer 2024 | Project Manager | Duke University | Applied Ethics+
   Led two interdisciplinary teams of undergraduate and graduate students to work with non-profit
   organizations to address real-world challenges in policy, technology, and ethics

Spring 2024 | Teaching assistant | Duke University | CS586 Human-Centered Security and Privacy
   TA for the graduate-level course with 40+ students (mixture of computer science and public policy majors)

Spring 2023 | Teaching assistant | Duke University | CS240 Race, Gender, Class, and Computing
   TA for the undergraduate-level seminar course with 100+ students

Fall 2016 | Teaching assistant | UNC Chapel Hill | COMP110 Intro to Programming
   TA for the undergraduate course with 900+ students (mixture of technical and nontechnical majors)

INDUSTRY EXPERIENCE

Jun 2019 - Dec 2020 | Software Engineer | Audible Inc. | Cambridge, MA
   Implemented new features and maintained the Android app using Java and Kotlin
   Led a teamwide initiative to improve the Android app's accessibility

Jun 2018 - Aug 2018 | Forensic Technology Consulting Intern | PwC | San Francisco, CA
   Aggregated and analyzed client data to understand the level of financial or regulatory exposure involved

Jan 2018 - May 2018 | Software Engineering Intern | Nstream | San Jose, CA
   Developed a Java program that collects, analyzes, and visualizes real-time operational data

SERVICE

Co-chair | AAAI 2025 Fall Symposium: Engineering Safety-Critical AI Systems
Reviewer | NeurIPS 2025 Position Paper Track

PUBLICATIONS [Google Scholar]

Chen, W., & Cummings, M. (2025). To impute or not to impute: How machine learning modelers treat missing data [arXiv] [under review]

Chen, W., Su, M., & Cummings, M. (2025). Assessing LLM code generation quality through path planning tasks [arXiv][under review]

Chen, W., Su, M., Mehjabin, N., & Cummings, M. (2024). Can LLMs plan paths in the real world? [arXiv][under review]

Chen, W., & Cummings, M. (2024, May). Subjectivity in unsupervised machine learning model selection. In *Proceedings of the AAAI Symposium Series* (Vol. 3, No. 1, pp. 22-29). [PDF][Video]

HONORS & FELLOWSHIPS

2024 **Teaching on Purpose Fellowship**
Selective fellowship for doctoral students who are passionate about teaching

2017 **AnitaB.org Grace Hopper Student Scholar**
Selective scholarship for attending the largest women in technology conference

2017 **Carolina Research Scholar**
Recognition for students with significant involvement in undergraduate research

2016 **Computing Research Organization —Women Grace Hopper Research Scholar**
Selective scholarship for attending the largest women in technology conference