

JENNIFER WANG

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Education

Brown University, Providence RI, Class of 2025

- Concentration: Computer Science, International & Public Affairs
- Relevant Coursework: CS for Social Change; Fairness in Automated Decision Making; Computers, Freedom, and Privacy; Computer Systems; Artificial Intelligence; Computer Vision; Deep Learning

Work Experiences

Policy Intern, White House Office of Science and Technology Policy September 2023 - December 2023

- Supported the OSTP's Tech and Policy divisions in advancing major initiatives, including the Executive Order on AI, the National AI Talent Surge, and the U.S. Tech Policy Network launch.
- Conducted research, wrote informational memos, drafted correspondence, and facilitated interagency coordination to develop AI policy, advance privacy protections, and build government tech capacity.

Data Engineering Intern, U.S. Census Bureau June 2023 - August 2023

- Analyzed contributions of 10+ federal data sources to race and ethnicity records; imputed over 1.5M values using new sources, enhancing the quality of a person-level demographic database by integrating surveys.

Impact Analytics Intern, Rhode Island State Government September 2022 - December 2022

- Supported a slate of economic recovery programs under the RI Rebounds initiative, a \$32M effort to assist small businesses during COVID-19, through data cleaning, aggregation and analysis, and metrics tracking.

Software Engineering Intern, Microsoft Corporation June 2022 - August 2022

- Developed a C# job to close the validation coverage gap in the Azure Storage billing pipeline for almost 4 million transactions per tenant per day; presented a demo at monthly all-hands to 170+ employees.

Research Experiences

Research Assistant, MGGG Redistricting Lab at Tufts University June 2023 - September 2023

- Created a novel generative voting model using a Markov chain to simulate ranked-choice voting (RCV) elections; designed and developed a software package offering an end-to-end framework for researchers studying any stage of the RCV election process, from ballot generation to results visualization. [[VoteKit](#)]

Research Assistant, National Institute of Standards and Technology January 2022 - May 2022

- Added machine learning algorithm support to a robot teaching interface using LSTMs and reinforcement learning models, with the goal of a robotic arm learning tasks from demonstrations given by a human partner.

Research Assistant, Brown University June 2021 - Present

- The Center for Tech Responsibility: Examined the evolution of social network structures to understand how bias is amplified through recommendation algorithms over time using user behavior logs on Microsoft News.
- Reinforcement Learning and Behavior Lab: Developed a block-based interface enabling non-technical users to program a household robot; designed ten tasks to systematically evaluate different programming paradigms.
- Intelligent Robot Lab: Designed the syntax and grammar of a declarative language to convey prior knowledge to RL agents, helped build an ANTLR lexer and parser; wrote programs for experiments. [[ICML 2023 paper](#)].

Leadership & Extracurricular Experiences

Undergraduate Teaching Assistant, Brown University September 2021 - Present

- CS1951Z Fairness in Automated Decision Making: Head Teaching Assistant for Suresh Venkatasubramanian
- CS1410 Artificial Intelligence: Designed an adversarial multiplayer game based on Pax-Con as the course's final project; teaching knowledge representation, and search, optimization, and machine learning algorithms.

President, Full Stack at Brown May 2021 - May 2023

- Coordinated 20+ student teams to develop projects for local businesses and community partners, serving as an intermediary between the club and clients; hosted weekly stand-ups to facilitate Agile development process.

Director of Operations, Computer Science Departmental Undergraduate Group July 2021 - May 2022

- Organized career and academic-oriented events, including course advising sessions and panels with engineers from diverse backgrounds to foster community engagement and facilitate networking opportunities.