JENNIFER WANG

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Personal Portfolio: https://jennjwang.github.io/

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
- 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.