

# Stephanie Wan

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## EDUCATION

<b>Yale University</b> , New Haven, CT BS in Computer Science and Mathematics	August 2025 - May 2029
<i>Relevant Coursework:</i> Linear Algebra; Intro to Computer Science; Superintelligence, Entrepreneurship, and Narrative; Analysis I; Data Structures and Programming Techniques; Web3, Blockchains, and Cryptocurrencies; Intro to ML	
<b>Clubs/Activities:</b> Women in CS Board, Yale CS Developer, AI Alignment Fellow, Helix Fellow (Software @ Cellsbin startup), Paid Researcher at Inquisitive Robotics Lab, Brain-Computer Interface research under Prof. Bhattacharjee	
<b>Lexington High School</b> , Lexington, MA <i>GPA: 4.15/4.33 (UW)</i>	

## WORK EXPERIENCE

<b>Trajectory Labs</b> , <i>Adversarial AI Red Teamer</i> , Remote	Nov 2025 - Present
• Prompt injection attacks and AI safety training for frontier AI labs.	
<b>Charles Stark Draper Laboratory</b> , <i>AI/ML Intern</i> , Cambridge, MA	Jun - Aug 2025
• Collaboratively developed full-stack AI/ML app for automatic file standardization with Dash, LLMs, and RAG (Python). • Built Streamlit (Python) app to process and display nuclear data, presented to stakeholders across central lab.	
<b>MIT PRIMES Computational Biology Research</b> , <i>Student Researcher</i> , Boston, MA	Jan 2023 - May 2025
• Conducted research in AI/ML at Harvard Medical School's Biomedical Cybernetics Lab, mentored by Dr. Gil Alterovitz. • Presented <a href="#">bioinformatics research</a> on biomarkers for oral squamous cell cancer at the MIT PRIMES October Conference & MathROCS to 40+ and 30+ people. • Developed generative AI app with chatbot and computer vision models to increase health and wellness engagement. • Fine-tuned ML models for authorship verification & mechanistic interpretability (explainable AI), independently awarded grant by Trellis AI Grants: <a href="#">slideshow link</a> .	
<b>AI in English Research</b> , <i>Student Researcher</i> , Lexington, MA	Apr 2023 - May 2025
• Research into students' reasoning behind rejecting/accepting the usage of AI in English classrooms. • Presented research at Oxford & Teacher Development Day at Lexington High School. • Published @ The Qualitative Report; DOI: <a href="https://doi.org/10.46743/2160-3715/2025.7324">10.46743/2160-3715/2025.7324</a>	

<b>Data Science Research</b> , <i>Student Researcher</i> , Remote	Jan - Sep 2024
• Metascience + network science research w/ paper title similarity and Altmetric scores under CMU's Dr. Ganesh Mani. • Hosted Workshop on The Role of Data and AI in Health, Wealth and Wisdom: A K-12 perspective at IEEE AlxHEART.	

## PROJECTS & LEADERSHIP EXPERIENCE

<b>Lexington Informatics Tournament</b> , <i>Executive Organizer</i> , Lexington, MA	Apr 2022 - May 2025
• Wrote cybersecurity challenges and led logistics for 2,000+ teams in 70+ countries, led Sponsorship Committee, securing \$10,000+ in sponsorship prizes. <a href="https://lit.lhsmathcs.org/">https://lit.lhsmathcs.org/</a>	
<b>Lexington Sprouts</b> , <i>Founder</i> , Lexington, MA	June 2021 - May 2025
• Not-for-profit science program for middle schoolers with 120+ students and 20+ teachers. <a href="https://allthesprouts.org/">https://allthesprouts.org/</a>	
<b>Lexington Math and Computer Science Club</b> , <i>Captain</i> , Lexington, MA	Oct 2021 - May 2025
• Cybersecurity and algorithmic CS, grew from 5 to 40+ members, fundraised \$1400+ <a href="https://lhsmathcs.org/">https://lhsmathcs.org/</a>	

## SKILLS AND INTERESTS

- *Computer Skills:* Java, Python, C, C++, HTML, CSS, JavaScript, Databases/MySQL, Computer Vision, Natural Language Processing, TensorFlow, PyTorch, Sklearn, Algorithmic Optimization, Langchain, Huggingface

## AWARDS AND HONORS

- **WiSE Participant** - learning math, computer science, and probability concepts in quantitative trading at Jane Street
- **SPARC 2022**, **ASPR 2024**, Explore Fellowship 2023
- Best Overall (MVP) MIT Beaver Works Summer Institute **Embedded Security and Hardware Hacking** (computer architecture and low-level programming) 2024
- **AIME** Qualification x3, USACO Silver
- **Non-trivial** Fellow (100 of 20,000+ applicants) 2023, Facilitator/Mentor 2024 (Biosecurity, AI)
- Congressional Art Competition 2nd MA
- Stock Market Game InvestWrite 1st MA, 4th nationally
- InspiritAI Deep Dives AI/NLP alignment, interpretability, RAG, and de-biasing, AI Camp Computer Vision
- 1st place overall at Hacknight hackathon with Chrome Extension, competed in MIT Blueprint, Hack the North, AngelHacks, MITiT, HMMT