Stephanie Wan

New Haven, CT | (857) 270-3181 | stephanie.wan@yale.edu | https://www.linkedin.com/in/stephaniewan07/ | https://swan-07.github.io/

EDUCATION

Yale University, New Haven, CT   August 2025 - May 2029
BS in Computer Science and Mathematics
Relevant Coursework: Linear Algebra; Intro to Computer Science; Superintelligence, Entrepreneurship, and Narrative
Intended Coursework: Game Theory, Data Structures and Programming Techniques, Algorithms, Discrete Mathematics
Clubs/Activities: Women in CS Professional Board, Yale CS Developer, AI Alignment Fellowship, Helix Fellow
(Software student at Cellsbin startup), Researcher at Inquisitive Robotics Lab

Lexington High School, Lexington, MA   August 2021 - May 2025
GPA: 4.15 (UW)   *SAT: 1580 (780 R&W/800M)*

WORK EXPERIENCE

Charles Stark Draper Laboratory, *AI/ML Intern*, Cambridge, MA   Jun - Aug 2025
- Collaboratively developed AI/ML app for automatic file standardization using Dash, LLMs, and RAG (Python).
- Built Streamlit (Python) app processing and displaying nuclear data, presented to stakeholders across central lab.

MIT PRIMES Computational Biology Research, *Student Researcher*, 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 bioinformatics research on biomarkers for oral squamous cell cancer using statistics at the MIT PRIMES October Conference & MathROCS to 40+ and 30+ people, posted on MIT PRIMES website.
- 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 Trelis AI Grant: slideshow link

AI in English Research, *Student Researcher*, Lexington, MA   Apr 2023 - May 2025
- Research into students' reasoning behind rejecting/accepting usage of AI in English classrooms
- Presented research at Oxford lecture & Teacher Development Day at Lexington High School.
- Published @ The Qualitative Report; DOI: 10.46743/2160-3715/2025.7324

Data Science Research, *Student Researcher*, 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 AIxHEART

PROJECTS & LEADERSHIP EXPERIENCE

Lexington Informatics Tournament, *Executive Organizer*, 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. https://lit.lhsmathcs.org/

Lexington Sprouts, *Founder*, Lexington, MA   June 2021 - May 2025
- Founded not-for-profit summer science program for middle schoolers with 120+ student applicants and 20+ teachers. https://allthesprouts.org/

Lexington Math and Computer Science Club, *Captain*, Lexington, MA   Oct 2021 - May 2025
- Cybersecurity and algorithmic CS, grew from 5 to 40+ members, fundraised $1400+ https://lhsmathcs.org/

SKILLS AND INTERESTS

- *Computer Skills:* Java, Python, C, C++, R, HTML, CSS, JavaScript, SQL, APIs, React, Databases/MySQL, Linux, Machine Learning, AI, Computer Vision, Natural Language Understanding, TensorFlow, PyTorch, Sklearn, Algorithmic Optimization, Deep Learning, Data Science, Software Engineering, 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