

AMBER SHEN

(332) 777 – 7617 | ambrshen@gmail.com

EDUCATION

Stuyvesant High School

Cumulative GPA: 95.79/100

New York, NY

Sep 2020 – June 2024

EXPERIENCE

Google

Intern

Summer 2023

- Designed and prototyped an app with three others to help eliminate food waste using Figma and JavaScript
- Participated in a design sprint—a framework for answering critical business questions through design, prototyping, and testing ideas with users—to analyze the target audience and competitors by conducting user research and interviews
- Presented a 10 min pitch of the app to a panel of Google employees and won 2nd place out of 6 groups for presentation

LEADERSHIP & ACTIVITIES

StuyPulse Team 694

Software Engineering Mechanism Lead, Strategist

Sep 2021 – Present

- Dedicated 9+ hours per week to using Java to program robots to shoot, pick up, and place game pieces, move both autonomously and with human control, traverse bars, and more for the FIRST Robotics Competition
- Led intake and shooter mechanism groups, swerve drive automatic alignment group, and 2023 offseason bot group
- Communicated with 60+ teams on what their robot is capable of and strategies during the competition

The Stuyvesant Spectator

Business Manager

Sep 2020 – Present

- Managed a bank account containing \$30,000+ by sending invoices to businesses and filing expenditure and deposit forms to cash in checks from businesses and pay for the printing of the school newspaper
- Negotiated with 15+ companies on advertisement prices and sizes, planned merchandise sales for 100+ members
- Organized assignments for 45+ members of the Business Department and led bi-weekly meetings on business topics

Google Mentorship

Lead Mentee

Jan 2023 – Present

- Developed a website where users can gesture an ASL alphabet letter into a livestream and receive an English translation
- Trained a custom AI model using MediaPipe Gesture Recognizer Task and Kaggle dataset to recognize the ASL alphabet
- Implemented live ASL translation using Python OpenCV and JavaScript HTMX libraries for real-time website updating
- Used Flask, HTML, and CSS to create a website with a Python backend for livestream and image uploads

Girls Who Code @Stuy

Director of Outreach

Sep 2022 – Present

- Taught 30+ girls about Python, CSS, and HTML basics, including loops, variables, headings, and the box model
- Spent 2 hrs per week walking around helping girls with coding projects and advising them on clubs and programs to join
- Contact tech companies and employees to organize panels about women in computer science and company visits

HONORS, AWARDS, & ADDITIONAL INFO

Stuyvesant ARISTA Honor Society (2022 – Present)

National Merit Scholarship Qualifying Test (NMQT) Finalist (2024)

National Computing for Women in Technology Aspirations in Computing Award (2023, 2024)

Computer science languages: Python, Java, C, CSS, HTML, JavaScript

Computer science skills/applications: Flask, OpenCV, MatLab, sklearn, Git, keras

Skills: Fluent in English and spoken Mandarin; proficient in Google Suite, Slack, Microsoft Excel, Canva, and Figma