

Henry Zheng

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EDUCATION

Yale University

Bachelor of Science in Computer Science, Bachelor of Arts in Economics

New Haven, CT

Aug. 2024 – May 2028

Staten Island Technical High School

Advanced Regents Diploma. GPA: 97.71%

Staten Island, NY

Sep. 2020 – Jun 2024

Incoming Summer 2025 Amazon Software Engineer Intern

EXPERIENCE

Product Manager

Staten Island Technical HS

Sep. 2022 – Jun 2024

Staten Island, NY

- Led development of a Vue, Tailwind and Django-based course platform streamlining enrollment for 1K+ students
- Built a web app with Express, MongoDB and Docker, enabling admins to track attendance of 100+ staff
- Delegated GitHub tasks, maintained servers running NGINX and Ubuntu, authored documentation
- Supported and offered guidance to other student-developer teams working on similar initiatives

Information Technology Technician

Staten Island Technical HS

Sep. 2023 – Aug 2024

Staten Island, NY

- Communicated with teachers and teammates to resolve open tickets in a timely manner
- Assessed and troubleshooted computer problems brought by students, faculty and staff
- Maintained upkeep of school computers, printers, classroom equipment, cable management and tracked inventory
- Updated and ensured functionality of school's 300+ laptops for rentals and online test taking

Web Development Intern

TygaSmart Systems

Feb. 2023 – Apr 2023

New York, NY

- Collaborated asynchronously across time zones to implement UI/UX for an upcoming tracking service
- Curated and compiled an extensive library of open-source 2D and 3D assets for the company's floor planner
- Evaluated website accessibility using WAVE developer tools, suggested layout changes and fixes

PROJECTS

Course Selection Platform | *TypeScript, Python, Vue, Django, Tailwind CSS*

Sep. 2023 – Jun 2024

- Developed a full-stack web application using with Django serving a REST API and a Vue frontend
- Implemented Google OAuth 2.0 with school emails for a SSO (single sign-on) experience
- Visualized statistics for guidance counselors and school administrators to interpret course trends
- Migrated the project's frontend from JavaScript over to TypeScript with 5K+ total line changes
- Worked interchangeably between the frontend and backend development teams to meet deadlines

Digital Hall Pass | *JavaScript, Python, Vue, Ionic, Docker, Git*

Jun 2023 – Oct 2024

- Simultaneously developed a web and mobile application replacing physical hall passes with a QR Code system
- Independently handled OAuth 2.0 authorization flows using a FastAPI backend to avoid rate limiting
- Reflected real-time database changes using the Google Sheets API for access by school administration

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML, CSS, JSX, Racket, R

Frameworks: Nuxt, Vue, React, Svelte, Ionic, Django, FastAPI, Tailwind CSS

Developer Tools: Git, Docker, VS Code, PyCharm, Google Colab, Figma, Netlify, Vite, MongoDB, Supabase, NGINX

Libraries: pandas, NumPy, transformers