Harry Zhu

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Anticipated June 2026*
    Relevant Coursework: Introduction to Object Oriented Programming, Intro to Computing, Linear Algebra, Integral Calculus, Differential Calculus, (Calc-based) Intro Physics I, (Calc-based) Intro Physics II

CUNY Hunter College   Manhattan, NY
Bachelor of Science in Computer Science   *Aug. 2023 - June 2024*
    GPA: 4.0/4.0
    Honors & Awards: Dean's List 2023 - 2024, Peter F. Vallone Academic Scholarship
    Relevant Coursework: Introduction to Computer Science, Calculus I
    Activities: Computer Science Club, Asian Student Union, CUNY Career Launch Program

EXPERIENCE

Lead Developer   July 2024 – Present
QuestTP   *Manhattan, NY*
- Appointed as Lead Developer at QuestTP, a pioneering startup dedicated to transforming task management and combating procrastination among students through innovative gamification techniques
- Developed and implemented a dynamic project using JavaScript, Three.js, React, WebGL, and Unreal Engine 5 to create interactive 3-D models within a virtual environment, enhancing user engagement and productivity

Project Assistant Manager - App Creation Team   July 2024 – Present
PYE Education Center   *Virtual*
- Led a team of three in developing three primary apps for PYE Education Center using Python and Django—an ebook platform, a gradebook, and an inventory checklist—streamlining operational management for senior leadership

Software Engineering Fellow   July 2024 – Present
Headstarter AI   *Manhattan, NY*
- Developed multiple AI projects, culminating in a final project aimed at achieving a customer base of 1000 people
- Participated in weekly competitive hackathons with two teammates to develop and present creative solutions, enhancing problem-solving abilities and technical proficiency

PROJECTS

Monkey Game | *JavaScript, Node.js, CSS, HTML*   May 2023 - June 2023
- Revamped Google Dinosaur Run into a multiplayer experience featuring monkey avatars racing to the finish line. Established a robust DigitalOcean-hosted server infrastructure for seamless gameplay

SafeMap NYC | *Python, JavaScript, SQLite3, Pandas, Leaflet*   April 2023 - May 2023
- Produced a detailed map of New York City integrating socioeconomic demographics, accidents, and crime rates to assess neighborhood safety levels

Recipe Finder | *JavaScript, Flask, SQLite3, Google Translate API*   Nov. 2022 - Dec. 2022
- Provided personalized recipes aligning with users' dietary needs, accommodating allergies and preferences. Additional features include access to random recipes and language translations

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, C, HTML, CSS, Processing
Frameworks: Three.js, React, Node.js, Flask, Vite, Django, Tailwind CSS
Developer Tools: Git, Visual Studio Code, WebGL, Unreal Engine 5
Libraries: pandas, SQLite3, Leaflet