

Jeffery Tse

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EDUCATION

New York University, Tandon School of Engineering
Bachelor of Science in Computer Science

Brooklyn, NY
September 2019 - May 2023

SKILLS

Computer: Python, Flask, SQL, C++, Java, JavaScript, HTML/CSS, git, React, Redux, jQuery, Kotlin, C, LaTeX, AWS Lambda, Amazon S3, Unity, Pandas, C#, .NET, OOP, Machine Learning, Artificial Intelligence, Networking, CI/CD
Language: English, Mandarin, Cantonese

PROFESSIONAL EXPERIENCE

355 Code

Bethesda, MD (Remote)

Computer Science Tutor / Business and Marketing Consultant

August 2023 - Present

- Instruct two students per session in JavaScript and Python, utilizing graphical libraries for interactive programming
- Spearhead business expansion by recruiting 3 tutors and 2 marketing interns, strategically targeting 2 locations
- Facilitate business and marketing strategy, orchestrate campaigns, creating video ads, flyers, and planning events

Amazon

Seattle, WA

Software Development Engineer Intern

May 2022 - August 2022

- Developed a web app ranking music providers with dynamic inputs and preprocessing Alexa Music API latency data
- Produced React visualizations of optimized data using Java, with AWS Lambda facilitating data processing from S3
- Presented internal tool to department leads, curating data to drive business partners towards service improvements

NYC Department of Transportation

Manhattan, NY

Software Engineer Intern

June 2021 - March 2022

- Contributed to developing a streamlined system for managing sidewalk accessibility and pedestrian street projects
- Optimized .Net Core app for contractor surveys, simplifying data entry, visualizations, and enhancing user experience
- Demonstrated web dev skills in React, Redux, and Microsoft SQL by pair program effectively with my mentor

Opal Inc.

California (Remote)

Backend Developer

May 2021 - July 2021

- Contributed to a startup by integrating backend functions with the user interface for a hybrid social and financial app
- Conducted research on the XRP Ledger, demonstrating adaptability and eagerness to delve into new technologies
- Initiated the development of the backend infrastructure, gaining hands-on experience with the Django framework

PROJECTS

GroGetter

September 2022 - May 2023

- Led a team of 4, developing a grocery tracking web app with Flask, Python, MongoDB, React, Heroku, and pytest
- Implemented best practices for agile software development, including CI/CD, automated testing, and version control

NYU Self Drive

September 2020 - May 2022

- Headed the development of the self driving car simulation wrapped with the OpenAI Gym environment
- Oversaw our virtual competitions with this platform, supporting the transition from in-person to remote progress

Unrailed Trail

December 2022

- Built a touch-based endless scrolling Android game, Unrailed Trail, using Unity, C# scripts, applying OOP principles
- Modeled 3D objects with Blender, developed game mechanics and user interface to improve the overall experience

Personal Website

January 2021 - Present

- Acquire and apply web dev skills independently, showcasing responsive design and custom graphics
- Upgrade and maintain continuously, integrating user-centric design for an engaging user experience

LEADERSHIP EXPERIENCE

NYU Hong Kong Student Association, President

March 2021 - May 2023

- Led 30-member board with annual budget of \$15k, promoting cultural engagement for 200+ attendee events

NYU Institute of Electrical and Electronics Engineers, Vice President

March 2021 - May 2023

- Organized events for over 100 members, fostering technical skill development and industry networking