

# 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*

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## SKILLS

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

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## 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

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## 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

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## 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