Jeffery Tse

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EDUCATION

New York University, Tandon School of Engineering　　　　　　　　　　　　*Brooklyn, NY*
Bachelor of Science in Computer Science　　　　　　　　　　　　　*September 2019 - May 2023*

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#, OOP, ML, AI, Networking, Lightroom, Photoshop
Language: English, Mandarin, Cantonese

PROFESSIONAL EXPERIENCE

355 Code　　　　　　　　　　　　　　　　　　　　　　*Bethesda, MD (Remote)*
Computer Science Tutor / Business and Marketing Consultant　　　　　　　*August 2023 - Present*
  - Instruct two students/session in JavaScript, employing graphical libraries for interactive programming
  - Drive business expansion by recruiting tutors and marketing interns to target strategic locations
  - Advise on business and marketing strategy, develop marketing campaigns including creation of video ads

Amazon　　　　　　　　　　　　　　　　　　　　　　　　　*Seattle, WA*
Software Development Engineer Intern　　　　　　　　　　　　　*May 2022 - August 2022*
  - Ranked music providers using dynamic user input and preprocessing latency data from Alexa Music APIs
  - Produced visualization of data optimized with machine learning via AWS Lambdas, S3 buckets, and React
  - Presented internal tool to department, driving improvements in business partner incentives

NYC Department of Transportation　　　　　　　　　　　　　　　*Manhattan, NY*
Software Engineer Intern　　　　　　　　　　　　　　　　　*June 2021 - March 2022*
  - Demonstrated proficiency in React, Redux, and Microsoft SQL database with a sample web app
  - Collaborated through pair-programming to enhance .Net Core internal app to survey sidewalk accessibility
  - Implemented new features of streamlined data entry, enhanced data visualization to improve experience

Opal Inc.　　　　　　　　　　　　　　　　　　　　　　*California (Remote)*
Backend Developer　　　　　　　　　　　　　　　　　　　*May 2021 - July 2021*
  - Collaborated with the front-end team to integrate the backend with the user interface
  - Conducted research on the XRP Ledger to integrate it into a social and financial application
  - Created the initial backend for the startup using Django framework

PROJECTS

GroGetter　　　　　　　　　　　　　　　　　　　*September 2022 - May 2023*
  - Developed a web app for tracking groceries using flask, MongoDB, React, Heroku, and pytest
  - Implemented best practices for agile software development, including automated testing and version control

NYU Self Drive　　　　　　　　　　　　　　　　　　*September 2020 - May 2022*
  - Initiated and collaborated on a self driving car simulation wrapped in OpenAI Gym environments
  - Hosted virtual competitions with the platform, allowing for continuous progress even during the pandemic

Unrailed Trail　　　　　　　　　　　　　　　　　　　　*December 2022*
  - Used Unity and C# scripts to create a touch-based endless scrolling game for Android called Unrailed Trail
  - Modeled 3D objects with Blender, developed game mechanics and user interface to improve UX

Personal Website　　　　　　　　　　　　　　　　　　*January 2021 - Present*
  - Independently acquired and applied web dev skills to showcase responsive design and custom graphics
  - Regularly maintain and update website while incorporating user-centric design for 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