

Jeffery Tse

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Education

New York University, Tandon School of Engineering

Brooklyn, NY

Bachelor of Science in Computer Science

May 2023

- Data Structures & Algo, OOP, Comp Net, ML, Haptics & Telerobotics Med, Calc I & II, Discrete Math, Data Analysis, Physics I, Algo, Linear & Diff Eq, Comp Arch & Organization, AI, OS, Databases, Game Programming, Software Engineering; Current coursework: Senior Design, Human Computer Interaction
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Projects

Groceries Tracker Web App

September 2022 - Present

- Developing a web app for tracking groceries using flask, MongoDB, React, Heroku, and pytest
- Learning best practices for agile software development like automated testing and version control

Platformer Game

November 2022

- Created animations and scripts for ninja themed platformer game with Gimp and Unity published on Itch.io

Android Game

December 2022

- Using Unity, created a touch-based endless scrolling game for android called Unrailed Trail

Personal Website

January 2021 - Present

- Experimenting with web dev especially with creative and artistic tools by hosting portfolio on github pages
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Experience

Amazon

Seattle, WA

Software Developer Engineer Intern

May 2022- August 2022

- Ranked music providers using dynamic user input and preprocessing latency data from Alexa Music APIs
- Produced an interactive visualization – back-end: AWS Lambdas, S3 buckets; front-end: React
- Presented my internal tool to the department providing incentives for business partners to improve

NYC Department of Transportation

Manhattan, NY

Software Engineer Intern

June 2021 - March 2022

- Demonstrated basic skill of React, Redux, and Microsoft SQL database with a sample web app
- Shadowed developers to learn DotNet Core; managed workflow with Azure Devops

NYU Self Drive

Brooklyn, NY

Software and Hardware Team Member

September 2020 - May 2022

- Initiated and collaborated on a self driving car simulation wrapped in OpenAI Gym environments
- Allowed continuous progress even during the pandemic by hosting virtual competitions with this platform

Opal Inc.

California (Virtual)

Backend Developer

May 2021 - July 2021

- Researched the XRP Ledger to implement into a multi-purposed social and financial application
 - Created the initial backend for the startup using Django
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Activities

NYU Hong Kong Student Association

March 2021 - Present

- President: Motivated and led the board to hold engaging events; created a better social environment

NYU IEEE

March 2021 - Present

- Vice President: Planned events and workshops to promote exploration within the engineering community

Hack NYU

March 2020

- Designed a simple static website to visualize fetched public coronavirus data with a team of three
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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#, Lightroom, Photoshop

Language: English, Mandarin, Cantonese