Troy Mei

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EXPERIENCE

Pershing — *Software Engineer* — 2021 – 2023

- Revamped Angular components on NetXInvestor balances page, reducing latency by 40% when switching between accounts
- Increased code test coverage of Java microservices and Angular components to >75% through writing automated tests and collaborating with development team, resulting in a decrease in bugs reported by QA
- Collaborated with UX designers to develop and maintain the Recent Orders section of the NetXInvestor overview page
- Conducted thorough code review of legacy system, identifying, and resolving 10+ compatibility issues to ensure seamless transition to Angular 14

BNY Mellon — *Full Stack Engineering Intern* — Summer 2020

- Collaborated with cross-functional teams to integrate the pricing engine into the company's digital platform, enabling Asset Servicing to offer real-time pricing data to clients within 2 months
- Automated the bid submission process for the sales team by developing a digitized form using Python, resulting in a reduction in processing time and increased efficiency
- Collaborated with UX designers to improve user experience by implementing a functional user interface using AngularJS

Payfone/Prove — *Software Engineering Intern* — Summer 2019

- Developed a robust mobile application using Python to simulate authentication results in real-time, leading to faster customer response times
- Collaborated with cross-functional teams to ensure successful deployment of the new application on multiple platforms, including iOS and Android

EDUCATION

New York University — Sept 2017 – May 2021
Bachelor of Science in Computer Science

PROJECTS

Messenger Bot

- Developed a messenger bot hosted on Facebook's Messenger application using Python and Firebase to save and restore user conversations
- Implemented routing functionality that connects users to one another, eliminating the bot as a third-party after the conversation flow has been completed
- Increased messenger bot handling capacity to include various message types by leveraging Facebook's Send API

Instagram Clone

- Developed intuitive user experience by implementing commenting, liking, following, and searching functionality, utilizing Python Flask
- Optimized SQL queries to improve response time, enhancing the speed and efficiency of access to private user information

To-Do List

- Developed a to-do list web application using Python Flask
- Created, read, updated, and deleted tasks using HTTP requests that write to a SQL database

SKILLS

Languages

- Python, Java, C++, TypeScript, JavaScript

Tools

- Git, HTML/CSS, SQL, Firebase, MongoDB, LaTeX, Jenkins, Heroku