Victor Siu · Software Engineer

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Skills

Languages:

Proficient: Python, Javascript
Familiar: C, Java

Software Development:

Proficient: Git, Flask, Pytest, React.js, REST APIs, Ubuntu, Unix, Linux
Familiar: Tensorflow, Ruby on Rails, AWS, Django

Experience

Gordian Software / Software Intern

June 2021 - August 2021, Remote

- Designed and implemented multiple command-line interfaces using Python to get data from airline APIs, and transformed that data from XML to JSON.
- Analyzed airline-specific price irregularities and developed a library using Python to correct them, resulting in prices accurate down to the nearest half-dollar.
- Developed an automated testing suite with Pytest for the rewriting of an internal library, reducing the rewriting time by nearly a week.

Google Mentorship Program / Mentee

December 2019 - June 2020, New York, NY

- Worked in a team to create a React and Flask web app that scrapes popular websites such as KBB and Edmunds for car data.
- Presented the data dynamically by comparing user-selected cars with other similar cars on the market with gold, silver, and bronze medals.

The Stuyvesant Spectator / Web Editor

Jan 2019 - Jan 2021, New York, NY

- Redesigned parts of the main website to make a more fluid user experience, such as a faster-loading search bar and a less cluttered footer.
- Created a new API endpoint in the content management system to facilitate the addition of new author/illustrator profiles.

Education

University of California, San Diego / Computer Science

September 2021 - May 2025

- GPA : 4.0
- Organizations: Association for Computing Machinery (ACM)

Projects

Graphics Engine / Library for the animation of basic 2D and 3D shapes

A library that can create simple animated shorts/images for various projects.

Bashenger / C app for client-server communication

An app that allows users to communicate client to client, with end to end encryption.

CMS / User Interface for Database Management

A user interface for creating/updating articles and users on stuyspec.com.

Sort-Visualizer / A python-based simulation of different sorting algorithms

A visualizer that shows sorting algorithms (quicksort, mergesort, bubble sort, insertion sort, etc) in action.

Attendance-scanner / App for attendance taking

A Flask app that utilizes Google OAuth, as well as Google Cloud for storage and server management.