

Victor Siu

Software Engineer

vsiu20@gmail.com
vs2961.github.io
github.com/vs2961

EXPERIENCE

Gordian Software Internship (Python)

June 2021 - August 2021

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

Google Mentorship Program

Dec 2019 - June 2020

- 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

Spectator Web Editor

Jan 2019 - Jan 2021

- 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.

STEM Kids NYC

June 2019 - August 2019

- Taught kids aged 9-15 basic Python skills in order to create real-world projects.

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*

A simple 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 popular sorting algorithms (quicksort, mergesort, bubble sort, insertion sort, etc) in action.

Attendance-scanner — *Flask app for attendance taking*

A Flask app with a database for attendance. Utilizes Google OAuth for admin access and Google Cloud for storage and server management.

EDUCATION

University of California, San Diego

Sep 2021 - June 2025

Stuyvesant High School, Manhattan

Sep 2017 - June 2021

SKILLS

Languages:

Proficient: Python, Javascript

Familiar: C, Java, Ruby

Software Development:

Proficient: Git, Flask, React.js, REST APIs, Ubuntu, Unix, Linux

Familiar: Tensorflow, Ruby on Rails, AWS, Django