SEAN S. CAO

450 E 20th St Apt TB New York, NY 10009 · (845)-537-9907
seanscao@nyu.edu   seanscao.github.io
linkedin.com/in/seanscao   github.com/seanscao

EXPERIENCE

Front-End Development Intern
Columbia University in the City of New York

Jun 2018 – Aug 2018

- https://www.rvdata.us/
- Developed the front-end and assisted the development of a REST API for searching and displaying maps and metadata of research vessel expeditions using AngularJS, Bootstrap, OpenLayers, PHP, and PostgreSQL
- Developed Python scripts for aggregating and visualizing Apache access logs for analyzing user search tendencies
- Streamlined the UI and search functionality based on user data

PROJECTS

Notepad Web Application
Jan 2020 - Present
- https://notepad-a086b.firebaseapp.com/
- Developing a rich text editor that is coupled with a user created dictionary of items that can be referenced within notes using a Facebook mentions-like feature.
- Built using React, Bootstrap, Firebase, and Slate.js

Boom Boom Bois iOS Application
November 2019 - Present
- https://github.com/SeanSCao/BoomBoomBois
- Designing and developing a 2D local multiplayer arcade game using Swift 5 and SpriteKit

SEC EDGAR Scraper
June 2019
- Developed a python web scraper used to aggregate and analyze financial data by date on the SEC EDGAR website for a Point72 employee

Bang for Your Buck Web Application
Mar 2018 – May 2018
- https://bang-for-your-buck.herokuapp.com/
- Built a web application for creating and sharing project material budgeting plans using Node.js, Express, HandleBars.js, and MongoDB

OTHER SKILLS

- Fluent in English and Mandarin
- Photography
- Photoshop
- Sketch

TECHNICAL SKILLS

Languages:
- JavaScript ES7 (Advanced)
- Python (Intermediate)
- Java (Intermediate)
- C (Intermediate)
- Objective-C (Intermediate)
- Swift 5 (Intermediate)
- PHP (Basic)
- HTML 5/CSS (Advanced)

Database Management:
- MySQL
- MongoDB
- PostgreSQL
- SQLite

Tools:
- Git
- Xcode
- VS Code
- Eclipse
- Grunt

Front-End Frameworks:
- React
- Angular.js
- Bootstrap 4

Back-End Technologies:
- Node.js
- Express
- Mongoose
- Firebase

Web Services:
- REST API
- AJAX

DevOps:
- Scrum Framework

Libraries:
- JQuery
- HandleBars.js
- OpenLayers

EDUCATION

New York University, B.A. Computer Science, Minor Web Programming and Applications

Sep 2016 - Dec 2019
Cum Laude
GPA: 3.68/4.00

Related Computer Science Coursework:
- Applied Internet Technology
- Computer Networks
- iOS Programming
- Agile Software Development
- Database Design and Web Implementation
- Computer Security
- Parallel Computing
- Basic Algorithms
- Operating Systems
- Computer Systems Organization
- Data Structures
- Discrete Mathematics

LEADERSHIP

Encounter Club Treasurer and Social Media Head

Nov 2017 - Present

- Managed the budgeting of $2500, allocating funding to community outreach and club events
- Organized, advertised, and hosted weekly events consisting of 100 people
- Led a team of 5 people to build and transform our social media on Facebook and Instagram