SEAN CAO

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EXPERIENCE

Web Development Intern, Columbia University, Lamont-Doherty Earth Observatory

Jun 2018 – Aug 2018

Developed an AngularJS application for the Rolling Deck to Repository website update
Developed Python scripts for scrubbing Apache server logs and graphing data using Bokeh

EDUCATION

B.A., New York University

Expected Jan 2020

Major: Computer Science
Minor: Mathematics, Web Programming and Applications

Related Coursework: Applied Internet Technology, Agile Software Development, Computer Security, Parallel Computing, Basic Algorithms, Operating Systems, Database Design and Web Implementation, Web Development & Programming, Computer Systems Organization, Data Structures, Discrete Mathematics, Calculus III, Calculus II, AP Computer Science A, Calculus AB, Introduction to Web Design and Computer Principles

LEADERSHIP

Encounter Christian Fellowship Treasurer

I manage budgeting and assist in event preparation and logistics. I am also the head of our social media and assist in community outreach.

OTHER SKILLS

I am multilingual and can speak natively in English, Mandarin, and some French. I am also a photographer and have managed multiple social media presences.

PROJECTS

Rolling Deck to Repository Website

https://www.rvdata.us/
The website presents both information on the project and includes a search function for displaying maps of cruise routes and cruise metadata. The web application uses AngularJS, Bootstrap, OpenLayers, and PostgreSQL.

Bang for Your Buck Web Application

https://bang-for-your-buck.herokuapp.com/
Allows users to create and share project material plans using an Express application in Node.js, HandBars.js templating, and MongoDB

TECHNICAL SKILLS

Development:
- Java, C/C++
- JavaScript
- Python
- PHP
- MySQL
- SQLite,
- MongoDB
- Git
- MPI
- OpenMP

Front-end Development:
- HTML5
- CSS3
- Bootstrap
- Angular.js
- JQuery
- HandleBars.js
- Mongoose
- Express
- AJAX
- OpenLayers