Vivian Li

Information Science student looking for a full-time position in software or full stack engineering.

vml39@cornell.edu
(408) 476-7782
Portfolio: vml39.github.io
LinkedIn: linkedin.com/in/vivianmli

Education

Cornell University / expected May 2020
B.A. in Information Science & French, Minor in Computer Science
Cumulative GPA: 3.86

Relevant Coursework
Object-Oriented Programing & Data Structures / Computing Using Python / Data Structures & Functional Programming
Design & Programming for the Web / UX & Software Design Studio / Rapid Prototyping & Physical Computing

Experience

NASA Jet Propulsion Laboratory / June 2019 - August 2019
Frontend & Software Developer Intern, Mars 2020 Mission

- Developed a frontend application to simulate the drive and camera views of the Mars 2020 Rover in a 3D animation upon user input of rover commands, in React.js
- Simplifed the process for users to plan, execute, and verify command sequences in uplink by implementing a live text editor, three.js 3D simulator, and data table into the application
- Worked with various APIs and AWS to run backend computations and deploy the application, and implemented and modified node packages such as react-redux and react-ace

GlaxoSmithKline / June 2018 - August 2018
Software Developer Intern, Tech Platforms

- Conceptualized, designed, and developed a web and mobile Chrome app as a central technology hub for over 100,000 company employees to contain their work calendar events, tasks, messages, etc. in one location
- Developed and launched an autonomous bot and bot manager platform for the Facebook WorkPlace app using the botkit framework, in Node.js and jQuery
- Contributed to the design of the Marketplace as a platform for software developers to collaborate and share resources such as code, design guidelines, and protocols

Cornell University Sustainable Design (CUSD) / September 2017 - Present
Currents Team CS Lead, Software Developer

- Created an application that controls the HVAC systems of single occupancy rooms on campus for optimal energy usage
- Managed the Computer Science team in the development of the mobile application, prediction algorithm, and server
- Implemented the server that processes and outputs the prediction algorithm data to a microcontroller controlling the HVAC system, using Node.js
- Designed the prediction algorithm which takes input stored in a PostgreSQL database such as location, calendar, and motion sensing data, and predicts when the system should be on or off for each user's room
- Conceptualized, designed, and implemented a new centralized active member and alumni database for hundreds of present and past CUSD members to use, using Sketch, Node.js, HTML, and CSS

Web Design & Programming Teaching Assistant / August 2018 - Present

- Led a weekly lab for 30 students and taught them principles of UX and web design using HTML, CSS, and JavaScript
- Assisted students in understanding course material through office hours and online discussion posts

Skills & Interests

Programming	Python / Java / OCaml
Web Development	Javascript / Node.js / React.js / Vue.js / HTML / CSS / SQLite / PostgreSQL / PHP
Craft	Sketch / Adobe Creative Suite
Languages	Chinese / French