

Vivian Li

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Portfolio: vml39.github.io
Github: github.com/vml39
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Education

Cornell University / expected May 2020
B.A. in Computer Science & French
Cumulative GPA: 3.84

Relevant Coursework

Object-Oriented Programing & Data Structures

Computing Using Python

Design & Programming for the Web

iOS Development

Crowdsourcing & Human Computation

Computational Sustainability

Experience

GlaxoSmithKline / June 2018 - August 2018

Software Developer Intern, Tech Platforms

- Conceptualized, designed, and created 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
- Executed the Continuous Integration - Continuous Delivery pipeline through setting up intermediaries such as Jenkins and enabling the Transport Layer Security protocol

Cornell University Sustainable Design (CUSD) / September 2017 - Present

Currents Team CS Lead, Software Developer

- Collaborated with the other engineering teams to create an application that controls the HVAC systems of individual rooms and laboratories on campus for optimal energy usage
- Managed the Computer Science team in the development of the iOS Application, prediction algorithm, and server
- Implemented the server through which all of the data used in the prediction algorithm is processed then outputted to a microcontroller for the HVAC system, using Node.js
- Designed the prediction algorithm which takes in input stored in a PostgreSQL database including 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

The Research Paper / August 2017 - Present

Design Team Lead

- Designed the entirety of the content for The Research Paper, the largest undergraduate research magazine at Cornell
- Organized the design team through team meetings and created centralized layouts for members to apply, using Adobe InDesign, Photoshop, and Illustrator

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 Piazza posts

Skills & Interests

Programming Python / Java

Web Development Javascript / HTML / CSS / SQLite / MongoDB / PHP

Craft Sketch / Adobe Creative Suite

Languages Chinese / French