Allen Fang

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KEY TECHNOLOGIES:

Languages:	Javascript, Python, HTML5/CSS3
Libraries/Frameworks:	ReactJS, Redux, Express, Flask, Django
Databases:	mySQL, MongoDB

PROJECTS:

JobHub

One stop shop for organizing job searches by centralizing all applications and documents.

- Utilized Mongoose as the ORM for storing and modifying data in a MongoDB, a NoSQL database
- Applied the React/Redux cycle to pass data around the application
- Authenticated users through Google's OAuth 2.0 and Passport.js as middleware between the client and server
- Stored documents uploaded by users into AWS S3 buckets

Technologies: Javascript (ES7), ReactJS, Redux, Heroku, MongoDB, AWS S3

Photogenic

A space for photographers to display their photos in a simple yet aesthetically pleasing way.

- Developed a single page application which displays photos with responsive web design in mind
- Demonstrated component based web development through ReactJS
- Made use of Flickr's API to fetch dimensions of photos in the form of JSON to calculate the layout

Technologies: ReactJS, MaterializeCSS

House Planner

Online planner which includes contact information, calendar for events, and an announcement board

- Delegated and assigned roles to three other developers with goals and deadlines
- Implemented login/registration along with validation with a Django backend
- Developed database models and relationships using a SQL database

Technologies: Django, mySQL, MaterializeCSS, JavaScript

EDUCATION:

Coding Dojo - Full Stack Web Development Program   July 2017

Dedicated over 1,000 hours on learning three full stacks of web and app development (Javascript, Python, Swift)

Bachelor of Science - Biological Sciences   December 2016

University of California, Santa Barbara

Relevant Coursework: Introduction to Computer Science, Problem Solving I and II (Python and C++)

EXPERIENCE:

Research Assistant, Proulx Laboratory, Santa Barbara, CA   August 2016 - December 2016

- Contributed to a MATLAB application that analyzed fitness landscapes for research in the field of evolution
- Combined knowledge in both fields of computer science and evolution to optimize analytical tools