

# Allen Fang

Sunnyvale, CA  
AllenFang08@gmail.com  
github.com/allen-fang

(408) 893-4566  
www.allenfang.com  
linkedin.com/in/fang-allen

---

## 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