

# Allen Fang

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## KEY TECHNOLOGIES:

**Languages:** JavaScript, Python, HTML5/CSS3  
**Libraries/Frameworks:** ReactJS, React Native, Redux, Express, Flask, Django

## PROJECTS:

### **Photogenic** - [photogenic.allenfang.com](http://photogenic.allenfang.com)

*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, JavaScript, MaterializeCSS, RESTful routes, AWS, Nginx*

### **React Cards** - [react-flashcards.allenfang.com](http://react-flashcards.allenfang.com)

*Flash cards used to prepare for phone interview questions for web development positions*

- Collaborated remotely using Git and Github for version controls and branching
- Applied the React/Redux cycle to pass data around the application
- Deployed a MongoDB server using Heroku to fetch data using RESTful architecture

*Technologies: ReactJS, Redux, JavaScript, Bootstrap, Heroku, RESTful routes, MongoDB*

### **House Planner** - [house-planner.allenfang.com](http://house-planner.allenfang.com)

*Online planner which includes contact information, calendar for events, and a message 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, HTML, JavaScript, Nginx, AWS*

## EDUCATION:

### **Bachelor's 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
- Applied self-taught knowledge in computer coding while combining knowledge in evolution