

# Edward Huang

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## EDUCATION

**University of California, San Diego**  
B.S. Computer Science

Expected Grad: December 2017  
**GPA: 3.2**

## EXPERIENCE

### Software Engineer Intern, IBM

April 2017 – Present

- Implementing Eclipse Editor Plugins using Java to integrate Python, Perl, and REX for testing Z-system Mainframe.

### Software Developer, Mesh.edu

September 2016 – March 2017

- Designed and implemented UI for an adaptive learning education application, introducing infinite scrolling features using Django framework.
- Implement Service Worker for application to integrate into Progressive Web App (PWA).

### Software Developer, Chen Lab BioNanomaterials

June 2016 – December 2016

- Designed and implemented ReactJS based GUI for a 3D printing machine used to generate cell scaffolds for bio tissue.
- Utilized web sockets to connect the application to the physical machine allowing instant feedback on user data input.
- Modeled UX wireframes with Google Material Design.

## PROJECTS

### Gigz

December 2016

- Developed a web application using databases Sequelized and MongoDB, which connected data user needs and wants by exchanging services with another party.
- Designed the front end around MVC architecture for easier scalability and better organization.

### TrackMe

August 2016

- Developed a Firebase web application using ReactJS and Redux for users to manage their daily tasks, and implemented search functionality for users to quickly lookup their tasks.
- Linked user authorization to Github accounts, and maintained line and branch coverage using MochaJS.

### CheerBot, LA Hacks

April 2016

- Utilized IBM Watson API to create a python based bot that detects a user's emotion, and provides jokes when sadness is detected.
- Utilized tone analyzer API to get the respond on what the user felt.

### UniSound, SD Hacks

September 2016

- Worked with a team of 4 people to produce a music web app that allows multiple users to share music through a private queue room.
- Utilized Spotify API to retrieve data of music collections.
- Employed Firebase databases to store the music queue.

## SKILLS

**Languages:** Java, JavaScript, C++, Python, C

**Framework and Technologies:** React.js, Node.js, jQuery, Redux, ExpressJS, SCSS

**Concepts:** UI/UX, REST API, Agile, MVC, Heuristic Evaluation, Human Computer Interaction (HCI)