Edward Huang

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EDUCATION

University of California, San Diego   Expected Grad: Spring 2018
B.S. Computer Science   **GPA: 3.2**

EXPERIENCE

Software Engineer Intern, Macy's Tech   Jun 2017 - Aug 2017
- Analyzed and determined external library's upgrade and webpack integration in Mobile Web team client architecture to improve loading time by 1000 ms.
- Implemented lint for Mobile Web server architecture.
- Modeled UX wireframe using Sketch for Macys virtual queue to create a clean and user-friendly look.
- Created database associate-facing site in Macy's Virtual queue using Laravel Framework.

Software Engineer Intern, IBM   Apr 2017 - Jun 2017
- Designed and implemented Eclipse Editor Plugins using Java to integrate Pluto Testing framework from virtual machine to modern text editor for testing Z-system Mainframe.
- Developed and redesigned Employee Resource Application from multi-page application to single-page application with AngularJS framework, Cloudant Database, and IBM Bluemix cloud platform.

Software Developer, Mesh.edu   Sep 2016 - Mar 2017
- Designed and implemented UI for an adaptive learning education application, introducing infinite scrolling features using Django framework.
- Implemented a caching device for a progressive web application to improve loading time by 500 ms.

Software Developer, Chen Lab Bio Nanomaterials   Jun 2016 - Dec 2016
- Implemented ReactJS based GUI for a 3D printer used to generate cell scaffolds for bio-tissue engineering.
- Utilized web sockets to connect the application to a physical machine for instant feedback on user data input.
- Modeled UX wireframes with Google Material Design.

PERSONAL PROJECTS

Inventory-Hub   Apr 2018
- Implemented a desktop application using ElectronJS and ReactJS for a store inventory management system for a local company in Indonesia.
- Developed an SQLite database product and user-admin facing site using Sequelize.
- Generated user admin access token for authentication with JSON Web Token (JWT).

Mooc_Search   Mar 2018
- Developed a full-text search engine application using ElasticSearch and VueJS by using Udemy, Udacity and Iversity API for online course.
- Utilized microservice architecture using Docker container for development.

Web Portfolio   Apr 2017
- Designed a responsive portfolio and created with site generator Jekyll and fluid design to display information and additional projects using HTML, CSS, and JavaScript.

TrackMe   Aug 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 look-up their tasks.
- Linked user authorization to GitHub accounts, and maintained line and branch coverage using MochaJS.

LEADERSHIP

Theta Tau Professional Engineer Fraternity   Apr 2016 – Apr 2017
Academic Chair
- Facilitated the educational and career growth of over 50+ members.

Toastmaster of the Cove   Jun 2016 – Mar 2017
Active Member
- Participated in weekly workshops focused on improving speech and presentation delivery.

SKILLS

Languages: Java, JavaScript, HTML, CSS
Library and Tools: React + Redux, nodeJS, ExpressJS, npm, Webpack, ExpressJS, SCSS, Jekyll, VueJS, Electron
Concepts: Agile dev, MVC Architecture, Responsive Web Design, Continuous Integration, Microservice Architecture