

# Richard Zheng

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San Diego/Alhambra

<https://github.com/rjzheng>

## Education

**University of California San Diego, San Diego, CA**

**B.S. Computer Engineering**

**Expected Graduate December 2017**

## Experience

**ZITOVULT INC, CARLSBAD, CA**

**FULL-STACK DEVELOPER**

**JAVASCRIPT/HTML/CSS/PYTHON**

**SEPTEMBER 2015 - PRESENT**

- Built 80% of the front end (ReactJs, HTML, CSS, Electron) and all of the backend (NodeJs, Express) for the licensing server for RansomStopper
- <https://zitovault.com/ransomstopper/>
- Implemented a Nodejs server which provides REST APIs and communicates with a MySQL database
- Implemented a crossed-platform desktop app using Electron
- Implemented a web-app based mobile app for ZitoVault's IoT security based functionalities
- Implemented Zitovault's web portal which displays the ELK stack data with Kibana

**SAN DIEGO SUPER COMPUTER CENTER (SDSC), LA JOLLA, CA**

**SOFTWARE DEVELOPER**

**JAVA**

**SEPTEMBER 2015 - JULY 2016**

- Independently developed a REST API Service for Cyber Infrastructure for Phylogenetic REsearch (CIPRES)
- Created a MrBayes plugin for Geneious (Bioengineering software) with SWING interface
- Integrated the REST API Service with the plugin in Geneious's own framework

**INSTITUTE OF ENGINEERING IN MEDICINE (IEM), LA JOLLA, CA**

**WEB DEVELOPER**

**HTML/CSS**

**OCTOBER 2014 - JUNE 2016**

- [iem.ucsd.edu](http://iem.ucsd.edu)
- Created and updated website pages for UCSD's Institute of Engineering in Medicine department
- Used the UCSD CMS web management and HTML to manage the website

**VISA INC./CYBERSOURCE, FOSTER CITY, CA**

**SOFTWARE DEVELOPER INTERN**

**JAVA**

**JUNE 2015 - SEPTEMBER 2015**

- Developed a RESTful web service that exposes the company's java library for encryption and decryption through an API
- Deployed the RESTful web service onto the company's HSM machine
- Optimized the RESTful API to process around 100,000 transactions per second on the HSM
- Conducted performance tests on the web service

**FOUNDATION FOR LEARNING EQUALITY KHAN ACADEMY LITE (FLE KA-LITE)**

**SOFTWARE DEVELOPER**

**PYTHON**

**SEPTEMBER 2014 - JANUARY 2015**

- <https://learningequality.org/ka-lite/>
- Optimized the load time of the interface by 20%
- Configured SanDisk Connect Wireless Media Drive and BeagleBone Black as servers for the web application

## Personal Projects

**Soundboard (HTML, CSS, Javascript) [Senior - team project]**

- <https://teamair-d90e1.firebaseio.com/>

**Triton Battles(MEAN Stack) [Sophomore]**

- <https://tritonbattles.herokuapp.com/Homepage.html>

**Smart Home Alarm Application (Python, Django, Tkinter/ttk, HTML, JavaScript) [Freshman]**

## Skills

- Proficient: Javascript, ReactJS, HTML, CSS
- Familiar languages: Python, Javascript
- Experience with: REST, Tomcat, Maven, Django, Web Services, Spring Framework, MEAN Stack
- Tools: Eclipse, vi/vim, gvim, Dr.Java, Sublime. Xcode, Brackets, Atom