

Richard Zheng

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<https://github.com/rjzheng>

Education

University of California San Diego, San Diego, CA

B.S. Computer Engineering

Expected Graduate December 2017

Experience

ZITOVault INC, CARLSBAD, CA

FULL-STACK DEVELOPER

JAVASCRIPT/HTML/CSS/PYTHON

SEPTEMBER 2015 - PRESENT

- Implement a Nodejs server which provides REST APIs and communicates with a MySQL database
- Implement a crossed-platform desktop app using Electron
- Implement a web-app based mobile app for ZitoVault's IoT security based functionalities
- Implement Zitovault's web portal which displays the ELK stack data with Kibana
- Build and manage the backend of the applications (Django REST API)
- Assist in managing the MySQL database
- This job requires knowledge on Electron, Reactjs, Javascript, NodeJs, MySQL, Python, Django, HTML, and CSS developments.

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
- 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: Tomcat, Maven, Django, REST, Web Services, Spring Framework, MEAN Stack, MERN Stack
- Tools: Eclipse, vi/vim, gvim, Dr.Java, Sublime. Xcode, Brackets, Atom