Richard Zheng

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www.richardzheng.com   http://yesterdayilearned.com   https://github.com/rjzheng

Education

University of California San Diego, San Diego, CA
B.S. Computer Engineering   **Expected Graduate December 2017**

Experience

ZITOVAULT INC/CyberSight , CARLSBAD, CA
FULL-STACK DEVELOPER   **JAVASCRIPT/HTML/CSS/PYTHON**   **SEPTEMBER 2015 - PRESENT**
- Managed traffic of the online portal with Nginx
- Load balance and containerized the backend server with Docker
- Built 80% of the front end (ReactJs, HTML, CSS, Electron) and all of the backend (NodeJs, Express) for the licensing server for RansomStopper
- https://cybersight.com/products/free_home_personal/
- Implemented a Nodejs server which provides REST APIs and communicates with a MySQL & MSSQL database
- Implemented a crossed-platform desktop app using Electron

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, Javscript) [Senior - team project]
- https://teamair-d90e1.firebaseapp.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