

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 June 2017

Experience

BULEAF

CO-FOUNDER

AUGUST, 2015 - PRESENT

- A startup that builds iOS applications focused on providing convenience to the general population

• Foodar (Swift, Xcode)

- Foodar is a restaurant finding application that chooses a restaurant for you. Developed for the indecisive individual or group, it will take in your preferences and find a restaurant near you that fits your needs. Foodar was created for iOS devices and was coded in Swift.

ZITOVault INC, CARLSBAD, CA

FULL-STACK DEVELOPER

JAVASCRIPT/HTML/CSS/PYTHON

SEPTEMBER, 2015 - PRESENT

- Implement a web-app based mobile app for ZitoVault's IoT security based functionalities.
- Display and notify users' devices and their security status.
- Assist designing and implementing the database schema
- Work closely with Ionic, Javascript, NodeJs, Angularjs, MySQL, Python, Django, HTML, CSS, iOS and Android developments.

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

WEB DEVELOPER

HTML/CSS

DECEMBER, 2014 - PRESENT

- iem.ucsd.edu
- Create and update website pages for UCSD's Institute of Engineering in Medicine department
- Use the UCSD CMS web management and HTML to manage the website

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

SOFTWARE DEVELOPER

JAVA

SEPTEMBER, 2015 - JULY 16TH, 2016

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

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

• TradeTool (MERN stack)

• Smart Home Alarm Application (Python, Django, Tkinter/ttk, HTML, JavaScript)

• Triton Battles(MEAN Stack)

Skills

- Proficient languages: Java, HTML, Python, Swift, Javascript (Angular)
- Familiar languages: C, C++, Assembly, CSS, JavaScript, Ruby
- Experience with: Tomcat, Maven, REST, Web Services, Spring Framework, MEAN Stack, MERN Stack, MySQL, NoSQL
- Tools: Eclipse, vi/vim, gvim, Dr.Java, Sublime. Xcode, Brackets, Atom
- Proficient operating systems: Windows, Linux, Mac OS