

# Richard Zheng

(626)241-6654

[rjzheng@ucsd.edu](mailto:rjzheng@ucsd.edu)

217 E.Commonwealth Ave. Apt.B, Alhambra, CA 91801

[www.richardzheng.com](http://www.richardzheng.com)

<https://github.com/rjzheng>

## Education

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

**B.S. Computer Engineering**

**Expected Graduate December 2017**

## Experience

**BULEAF**

**CO-FOUNDER**

**AUGUST, 2015 - PRESENT**

- A startup that builds iOS applications focused on providing convenience to the general population
- <http://buleaf.com>

• **Foodar**

**Swift/Objective-C**

- 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.
- Independently designed and developed ZitoVault's Web portal using ReactJS, Express, and NodeJS
- Assist designing and implementing the database schema
- Work closely with Ionic, Javascript, NodeJs, Angularjs, MySQL, Python, Django, HTML, CSS, iOS and Android developments.

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

**SOFTWARE DEVELOPER**

**JAVA**

**SEPTEMBER, 2015 - JULY 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

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

**WEB DEVELOPER**

**HTML/CSS**

**OCTOBER, 2014 - JUNE 2016**

- [iem.ucsd.edu](http://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

**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

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

**Triton Battles(MEAN Stack)**

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

## Skills

- Proficient languages: Java, Javascript, ReactJS, HTML, Python
- Familiar languages: CSS, AngularJS
- 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
- Proficient operating systems: Windows, Linux, Mac OS