Richard Zheng

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Education

University of California San Diego, San Diego, CA

Current Undergraduate Student in Computer Engineering Major   Expected Graduate June 2017

Experience

INSTITUTE OF ENGINEERING IN MEDICINE, LA JOLLA, CA

WEB DEVELOPER   **2014 DECEMBER - PRESENT**

• Created and updated the website pages for UCSD's Institute of Engineering in
Medicine department
• Used UCSD CMS web management and HTML to manage the website
• iem.ucsd.edu

VISA INC./CYBERSOURCE, FOSTER CITY, CA

SOFTWARE DEVELOPER INTERN   **2015 JUNE - SEPTEMBER**

• 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   **2014 SEPTEMBER- 2015 JANUARY**

• Optimized the load time of the interface by 20%
• Configured SanDisk Connect Wireless Media Drive, which set up the devices as
servers
• Configured and installed the program onto Beaglebone Black
• Participated in group project planning
• https://learningequality.org/ka-lite/

Personal Project

• www.richardzheng.com
• Smart Home Alarm Application (Python, Django, Tkinter/ttk, HTML, JavaScript)
   • Implements an alarm system, Google Maps API, Google Calendar API, Oauth2.0, and Yahoo Weather API
• Foodar (Swift, Xcode)
   • An iOS app that allows users to randomly pick a restaurant near them according to their preferences
• Triton Battles
   • A 11 people team built web application that is designed for students to create and study virtual index cards to prepare for
     upcoming exams
   • https://tritonbattles.herokuapp.com/Homepage.html
• Smart Home wall adapter controller (Python)
   • Wrote Python scripts to remotely control wall adapters through a cellular device or computer.
• Clash of Clans Troops calculator (Python, Tkinter/ttk)

Skills

• Proficient languages: Java, HTML, Python
• Familiar languages: C, C++, Assembly, CSS, JavaScript, Swift, Ruby
• Experience with: Tomcat, Maven, REST, Web Services, Spring
• Tools: Eclipse, vi/vim, gvim, Dr.Java, Sublime. Xcode
• Proficient operating systems: Windows, Linux, Mac OS