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Richard Zheng

Education	2013 - Present • University of California, San Diego, La Jolla, CA • Computer Engineering major • Candidate for B.S. Degree in Computer Science • Member of The National Society of Leadership and Success
Working Experience	2015 - Present Visa Inc./CyberSource Foster City, CA *Software Developer Intern (Java)* • 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 • Participated in daily scrum meetings and sprint closure meetings 2014 - Present UCSD IEM La Jolla, CA *Web Developer (HTML)* • 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 2014 - 2015 FLE KA-Lite La Jolla, CA *Software Developer (Python)* • 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 Projects	• 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
	• 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)
	• Snake Game (Java)
	  • Simple remake of the well know snake game

Skills	• Proficient languages: Java, HTML, Python • Familiar languages: C, C++, Assembly, CSS, JavaScript, Swift, Ruby • Experienced with: Tomcat, Maven, REST, Web Services, Spring • Familiarity in program development with IDE's and software configuration management programs (Eclipse, vi/vim, gvim, Dr.Java, Sublime. Xcode) • Proficient operating systems: Windows, Linux, Mac OS