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Richard Zheng

Education	<p>2013 - Present</p> <ul style="list-style-type: none">• 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	<p>2015 - Present Visa Inc./CyberSource Foster City, CA <i>Software Developer Intern (Java)</i></p> <ul style="list-style-type: none">• 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 <p>2014 - Present UCSD IEM La Jolla, CA <i>Web Developer (HTML)</i></p> <ul style="list-style-type: none">• 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 <p>2014 - 2015 FLE KA-Lite La Jolla, CA <i>Software Developer (Python)</i></p> <ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• www.richardzheng.com• Smart Home Alarm Application (Python, Django, Tkinter/ttk, HTML, JavaScript)<ul style="list-style-type: none">• Implements an alarm system, Google Maps API, Google Calendar API, OAuth2.0, and Yahoo Weather API• Foodar (Swift, Xcode)<ul style="list-style-type: none">• An iOS app that allows users to randomly pick a restaurant near them according to their preferences• Triton Battles<ul style="list-style-type: none">• 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)<ul style="list-style-type: none">• 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)<ul style="list-style-type: none">• Simple remake of the well know snake game
Skills	<ul style="list-style-type: none">• 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