**Richard Jang**

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**OBJECTIVE**

To obtain an internship in the field of computer engineering.

**EDUCATION:**

**San Jose State University** **August 2012 - Present**

Computer Engineering, B.S (4th year), GPA: 3.32

**Related Coursework:**

Algorithms and Data Structure Design (C++) **|** Advanced Algorithm Design (C++) **|** Fundamentals of Embedded Software (Assembly Language)**|** Operating System Design (Linux) **|** Software Engineering (Software Design and Testing)

**Coursework in Progress:**

Information Security **|** Mobile Software Engineering (Swift and Android) **|** Electronics for Embedded Systems **|** Digital Design (Combinational logic theory and circuits)

**SKILLS**

**Software:** Experience from a scale of 1(Not Experienced) – 5 (Very Experienced)

* C++ (4), HTML/CSS (3.5), C (3), Swift(3), JavaScript (2), Python (2)
* Experience with object oriented programming and various algorithms.

**Hardware:**

* Knowledge of basic embedded systems, circuit analysis, and combinational logic.

**EXPERIENCE:**

**C++ Tutor, Instructional Student Assistant August 2015 - Present**

* After class tutoring to a class of 120 students learning object oriented C++.
* Subjects include pointers, classes, inheritance, polymorphism, and various algorithms.

**Computer Engineering “Bridge” Coordinator August 2015 - Present**

* Mentoring undergraduate computer engineering students.
* Website moderator for Bridge Organization’s website.
* Program consists of 9 Coordinators, 25 Mentors and 90+ Mentees.

**Drum-set Teacher/Founder, Richard Jang’s Drum Studio Jan. 2012 - Present**

* Founder of drum set / snare drum teaching business.
* Created an extensive curriculum and recruited over 14 students.

**Software QA Engineer Intern, 8x8, Inc. June. 2015 – Aug 2015**

* Worked with developers in creating an efficient automated testing framework for Virtual Office (8x8’s flagship product)
* Created and maintained various test plans for the various features of Virtual Office.

**HONORS:**

**Tau Beta Pi, Engineering Honor Society September 2015 - Present**

* Must be top 12% of Engineering at San Jose State to be recruited.

**Finjan Mobile Defense Challenge 2nd Place July 2015**

* My team (3 members) received 2nd place in Finjan Holding’s “Mobile Defense Competition.
* Idea involves a messaging app recalling messages and files before they are read.

**Dean’s Scholar 2013 – 2014**

* Awarded to those individuals maintaining a GPA of 3.65 or higher for two contiguous semesters

**PROJECTS:**

**iOS Stack Calculator (Individual Project) Dec. 2014 – Present**

* Created intelligent stack calculator application following MVC model using Swift.
* Code implementation includes combination of data structures, classes, and recursion.

**Personal Website (Individual Project) Dec. 2014 – Present**

* Created and designed a personal website using HTML, CSS, and JavaScript.
* Website displays highlights of self, and professional life through an interactive theme.

**Real Estate Pricing Machine Learning Website (Group Project) Spring 2014**

* Created website (Html, CSS, Javascript) allowing users to see trending real estate prices in future.
* Machine Learning Algorithm implemented through a variation of linear regression.

**Simulation Project (Individual Project) Fall 2014**

* Designed algorithm using C++ to simulate a specific four way intersection at different times of day.
* Algorithm is implemented using a combination of queues and object oriented programming.

**Remote Microcontroller Fan (Group project) Fall 2013**

* Using a basic computer fan and two microcontrollers, created a multi-speed rotating remote controlled fan.
* Fan’s movements were programmed in C, and involved circuit design.