

## Harrison W. Chen

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### Objective

To utilize and expand my knowledge and experience in developing software.

### Education

University of California, Riverside  
Major: Computer Engineering

Expected Graduate: 2015  
Major GPA: 3.623

### Technical Skills

Languages: C, C++, Ruby, Javascript, HTML5  
Technologies: Rails, AngularJS, Git, Android, Arduino

### Work Experience

#### **GoPro**

##### **Software Engineer Intern**

*June-September 2014*

- Prototyped and developed a new project.
- Contributed and added features to existing projects as well as metrics collection.
- Worked with Rails, AngularJS, agile, front and back-end web development, and SOA.

### Projects

<https://github.com/HarrisonChen>

<http://www.cs.ucr.edu/~hchen030/projects.html>

#### **Android Application (Java, XML, SQLite)**

*January 2014-Present*

- Developed a counterpart of the To-Do list web application.
- Using SQLite for database management.

#### **Rails Web Applications (Ruby, Rails 4, HTML5, CSS)**

*December 2013-Present*

- Developed a To-Do list application and currently a forum discussion board to help with courses.
- Utilize Rails 4, TDD, MVC, and hosted on Heroku.

#### **Multi-threaded Server-Client (C, C++)**

*December 2013*

- Created server-client application utilizing sockets on a local network.

#### **Brick-Breaker Clone(C, C++, Arduino)**

*August – September 2013*

- Created a game based on Brick-Breaker using an Arduino microcontroller.
- Implemented concurrent tasks, 2-color LED time multiplexed output, daisy-chained shift registers, and made use of I<sup>2</sup>C, ADC, and DAC.

#### **Snake Game Clone(C, AVR)**

*May – June 2013*

- Created a game based on Snake using an ATmega32 microcontroller.
- Carried out concurrent tasks, 3-color LED time multiplexed output, daisy-chained shift registers, multiplexed keypad input, and serial port to port communication on 2 microcontrollers.
- Worked with a partner/consultant that helped troubleshoot and debug.

### Extra Curricular

#### **HackUCI Hackathon**

*May 2014*

- Developed a mobile mouse application for an Android phone with a team of 4.

#### **ACM ICPC**

*November 2013*

- International programming competition with a team of 3.

#### **ACM Local Programming Competition**

*March 2013*

- Local competition within the organization and worked in teams of 3.