scheung@ucsd.edu

(415) 828-7049

**Sherman Cheung**

github.com/shertle

shermancheung.com

**Education**

**B.S. Computer Engineering**

**GPA: 3.83**

**University of California, San Diego**

**Expected Graduation: June 2016**

* Relevant Coursework: Algorithm Design and Analysis; Advanced Data Structures; Software Engineering; Computer Organization and Systems Programming; Digital Systems Components and Design

**Experience**

**Software Engineering Intern**

**Northrop Grumman Corporation**

**Summer 2015**

* Utilized C++, Git, and Make to develop features for a classified project in an Ubuntu 14.04LTS environment
* Participated in code reviews to improve program design and ensure best practices
* Analyzed contractor source code using Coverity and Understand analysis tools and documented the process

**Software Engineering Intern**

**San Diego Supercomputer Center**

**Winter 2015 – Spring 2015**

* Utilized Eclipse to build a new Actor component for the Kepler Scientific Workflow System
* Incorporated machine learning utilities such as binary classification into the Actor through Apache Spark MLlib

**Tutor: Data Structures, IDEA Lab**

**UCSD CSE/ECE Department**

**Spring 2014, Spring 2015**

* Assisted students with challenging programming assignments in the CSE Lab and on Piazza
* Graded student assignments and provided them with timely feedback

**Projects**

**Personal Website Summer 2015**

* Built a personal website from scratch using HTML, CSS, Javascript and jQuery
* Incorporated Responsive Web Design to support a variety of screen sizes on both desktop and mobile
* Utilized GitHub Pages for hosting and Google Domains for DNS management

**The Burrd (Android App)** **Spring 2015 – Summer 2015**

* Collaborated with a team of students to develop an Android app that helps users find local happy hours
* Utilized Java, XML, and Android Studio to implement core features such as the app’s navigation drawer
* Built the company website, theburrd.com, using Meteor and deployed it to an Ubuntu server

**Reddit Daily Deals Parser Spring 2015**

* Utilized Python and Reddit API to parse online deals from a subreddit and allowed user to vote on the deals
* Used Python Tkinter library to display the deals and enabled the user to open them in their web browser

**Huffman File Compressor Winter 2015**

* Implemented a Huffman code file compressor and decompressor using C++
* Compressed files without data loss to between 30%-60% of the original size

**Memory Match (Android App) Summer 2014**

* Designed and developed a memory matching game for Android using Eclipse ADT
* Includes a timing and ranking feature to motivate user improvement
* Play Store Link: https://play.google.com/store/apps/details?id=com.scfuturistics.memorymatch

**Awards and Organizations**

* Institute of Electrical and Electronics Engineers(IEEE) **Fall 2013 – Present**
* Provost Honors, UCSD **Fall 2012 – Present**
* Eagle Scout, Boy Scouts of America **Fall 2011**

**Technical Skills**

* Languages: Java; C/C++; Python
* Tools: Unix; Git; Android Studio; Eclipse
* Familiar with Android development using Android Studio and Eclipse ADT
* Familiar with web development using HTML, CSS, Javascript and jQuery