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SHERMAN CHEUNG

github.com/shertle
shermancheung.com

EDUCATION

B.S. Computer Engineering   **University of California, San Diego**   **Expected Graduation: June 2016**
GPA: 3.83
- 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; Javascript;
- 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