

EDUCATION

B.S. Computer Engineering	University of California, San Diego	Expected Graduation: June 2016
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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
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- Utilized C++, Git, and Make to develop features for a classified project in an Ubuntu 14.04 LTS 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 Engineer and Cofounder	The Burrd	Spring 2015 - Present
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- 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

Software Engineering Intern	San Diego Supercomputer Center	Winter 2015 – Spring 2015
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- 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
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- 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
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- 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

Reddit Daily Deals Parser	Spring 2015
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- 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

Data Structures Class Project: Huffman File Compressor	Winter 2015
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- Implemented a Huffman code file compressor and decompressor using C++
- Compressed files without data loss to between 30%-60% of the original size

Android App Development: Memory Match	Summer 2014
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- 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

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| • 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

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- Languages: Java; C/C++; Python; Javascript; SPARC Assembly
 - 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