

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

- 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

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

- 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

- 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

- 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

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

- 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>

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

- 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