


As a third year computer science student with senior standing, I am ready to put everything I learned to good use through a challenging internship position.

Education



09/2014 - 06/2018 3.56

UCSD Computer Science B.S.

Provost Honors

Upper Division Courses

- Design & Analysis of Algorithms	- Software Engineering and Optimization
- Computer Architecture	- Principles of Computer Operating Systems
- Advanced Data Structures	- Component & Design Technology / Digital Systems

Languages

Java	C/C++
HTML5/CSS3	Javascript
Python/Lua	Assembly ARM/MIPS
SQL	BASIC

Leadership


FRC Robotics Team Sponsored by NASA (08/2010 - 06/2014)

Head Manager of Software Development

Rocketry Engineering Society (10/2012 - 06/2014)

Vice President and Software Consultant

Personal Projects



08/2016 - Present

Anonymo.us

Cross platform application serving as an interface for locals to connect using Geofencing

- Used Google Services API and Firebase to route users' location and allow them to write posts while striving to maintain security and anonymity
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05/2016 - 07/2016

Coupletones

Android app that displays partners' locations to user and pushes realtime status updates

- Led a team of 6 in planning, designing, and developing a full-blown Android app using proper software development techniques and practiced team communication




01/2011 - 12/2013

www.millsrobotics.com - HTML/CSS/PHP

Website for robotics team currently maintained by team

- Created basic animations and scripts to provide better user interactivity with the site




12/2015 - 1/2016

Discord Bridging App

App developed for users to quickly post information quickly to popular chat program Discord

- Used the Discord API to hook on and create a bot for posting usernames and contact information to a private chat server



05/2013 - 09/2015

Server Plugin Developer

Developed add-ons that provided additional functionality to servers running Java

- Worked with Java network interface to send and receive UDP packets and process them according to their functions
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Operating Systems / Tools

Windows <i>Expert</i>	Linux/UNIX <i>Expert</i>
Git <i>Expert</i>	jQuery <i>Upper-intermediate</i>
Firebase <i>Expert</i>	Android <i>Expert</i>
Valgrind <i>Upper-intermediate</i>	Android Studio <i>Expert</i>
CircleCI <i>Upper-intermediate</i>	Espresso <i>Upper-intermediate</i>

Software Design and Methodology

Agile Software Development | Object-Oriented Design |
Design by Contract | Refactoring | Wireframe Prototyping |
JIRA