

Robert Lu

B.S. Computer Science and Engineering

As a third year computer science student with senior standing, I am ready to put my software development skills to good use through a challenging internship position.



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www.github.com/r0306



www.robertlu.me

Languages

Java

C/C++

HTML5/CSS3

Javascript

Python/Lua

SQL

Haskell

Operating Systems / Tools

Windows
Expert

Linux/UNIX
Expert

Git
Expert

jQuery
Upper-intermediate

Firebase
Expert

Android
Expert

Valgrind
Upper-intermediate

Android Studio
Expert

CircleCI
Upper-intermediate

Espresso
Upper-intermediate

Leadership

FRC Robotics Team
Sponsored by NASA
(08/2010 - 06/2014)
Head Manager of Software
Development

Education

■ 09/2014 - 06/2018

GPA 3.56

UCSD Computer Science B.S. Provost Honors

Upper Division Courses

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

Personal Projects

■ 12/2016 - Present

Personal Website

Used HTML5/CSS3/JS to create a responsive and lightweight website

Details

- Used jQuery library to implement dynamic navigation and animations
- Hosted on static site for front-end with a back-end site running PHP for email functionality

■ 08/2016 - Present

Anonymo.us

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

Details

- Designed wireframes and prototyped the software
- Solo project with both front and back end implementations designed for multi-platform compatibility
- Used Google Services API and Firebase to route users' location and allow them to post messages while striving to maintain security and anonymity

■ 05/2016 - 07/2016

Coupletones

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

Details

- Led a team of 6 in planning, designing, and developing the app
- Used Agile software design practices
- Utilized popular industry tools such as JIRA and CircleCI

■ 05/2013 - 09/2015

Server Plugin Developer

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

Details

- Worked with Java network interface to send and receive UDP packets and process them according to their functions
- Learned about network protocols and API development

Software Design and Methodology

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