

# 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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## Languages

Java

C / C++

HTML5 / CSS3

Javascript

Python

SQL

Haskell

## Operating Systems / Tools

Windows

Linux / UNIX

Android

Git

jQuery

NodeJS

ReactJS

Firebase

Valgrind

JenkinsCI / CircleCI

Espresso / JUnit

## Leadership

NASA First Robotics  
Competition Team  
Manager

(08/2010 - 06/2014)

Head Manager of Software  
Development

## Spoken Languages

English | Mandarin | Spanish

## Education

■ 09/2014 - 05/2018

GPA 3.56

### University of California, San Diego - Computer Science B.S. Provost Honors

#### Some Relevant Courses

- Design & Analysis of Algorithms
- Database System Principles
- Advanced Data Structures
- Software Engineering and Optimization
- Principles of Computer Operating Systems
- Artificial Intelligence: Algorithms and Statistics

## Personal Projects

■ 12/2016 - Present

### Personal Portfolio Website

Used HTML5/CSS3/JS/PHP to create a responsive and lightweight website that showcases work and skills

#### Details

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

■ 08/2016 - Present

### Anonymo.us

Cross platform application serving as a social media interface for locals to connect

#### Details

- 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
- Implemented geofencing filter to only show nearby posts to users

■ 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 project using Agile Development
- Used Google Cloud Messaging services to push instant updates to users to notify them when their partner arrives at predefined locations
- Used popular industry tools such as JIRA and JenkinsCI

■ 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 accordingly using supported APIs and interfaces

## Software Design and Methodology

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