

# Saketh Ram Kasibatla

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<http://www.github.com/sakekasi>

## Education

### University of California, Los Angeles

Bachelor of Science in Computer Science; GPA: 3.9

Los Angeles, CA

Expected June 2016

- courses taken: CS 31, 32, 33, 35L
- planned courses: CS 111 (OS), 161 (AI), 131 (PL)

## Skills

**Technologies:** Strong: C/C++, Java, GIT, SSH, GDB, Valgrind, Make

Familiar: Python, Lisp, LaTeX, x86, x86-64, OpenMP, CUDA, HTML, CSS, Javascript, BASH, XML

Proficient: PHP, MSDOS, Bazaar, SVN

**Computer and OS:** Linux/Unix (Arch Linux), Windows, Mac OS X

**Software:** NetBeans IDE; Eclipse IDE; Vi/Vim; Emacs

**Areas of Interest:** Operating Systems, Artificial Intelligence, Mobile Application Development, Networking

## Work Experience

### Qualcomm Inc.

Intern

San Diego, CA

2013 – Present

- Worked in the SIM card software team to aid in development of a toolkit that interfaces with the sim card.
- Created generic library which parses both XML and C code in order to populate C structures.
- Worked on improvements to large(100000+ lines) code base.

### FIRST Robotics Team 1160, San Marino, CA

President, Head Programmer

2008 – 2012

2011 – 2012

- Built, wired, and programmed a robot to play a new game each year for 4 years
- Participated and strategized in several regional competitions
- Taught 4 team members how to program and wire future robots
- Rebranded and created marketing materials for the team including banners and a new website
- Presented robot to community with media coverage

## Projects

**WIME:** An app that allows a raspberry pi to share speakers over wifi. Won the first Qualcomm intern hackathon.

**Floodit with AI:** A reimplement of the popular iOS and android game Floodit with an AI to solve the game.

**Team 1160 Scouting App:** An application that collects, processes and displays data on robotics teams at FIRST robotics competitions. The information that is collected is determined by an XML configuration file.

**Conway's Game of Life:** An implementation of Conway's Game of Life, a well known cellular automaton, written in C++ using sdl

**Team 1160 Robot Code:** Ran team 1160's robot during the 2011 FIRST Robotics Competition season

**Project Euler Solutions:** solutions to several programming problems on the website [projecteuler.net](http://projecteuler.net) written in Common-LISP, x86-64 assembly and haskell.

**Data Structure Implementations:** Implementations of various data structures such as linked lists, hash maps, and trees in the C language