

# 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 Scripting, 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 UIM Team to aid in development of a toolkit that interfaces with the sim card.
- Created generic library which parses and uses both XML and C code to populate C structures.
- Used to improve testing framework for SIM card.

### 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

**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 other robotics teams at FIRST robotics competitions. What information is collected is determined by an XML configuration file and can be weighted to emphasize one aspect over another.

**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

**Wordpress Themes:** The Blue 'n Gray and Colorburst wordpress themes. Developed for blog/personal website

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

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