Saketh Ram Kasibatla

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Education

University of California, Los Angeles — Los Angeles, CA
Bachelor of Science in Computer Science; GPA: 3.9 — 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. — San Diego, CA
Intern — 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 — 2008 – 2012
President, Head Programmer — 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 reimplementation 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 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