Rohit Sanbhadti

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EDUCATION

Bachelor of Science, Computer Science
University of Illinois Urbana-Champaign
Expected Graduation: May 2016

TECHNICAL SKILLS

Proficient: Java, C++, C, Objective-C, Python
Basic: PHP, Javascript/jQuery, MySQL, Git, Subversion, Verilog, Linux (shell), HTML, LaTeX, Assembly (MIPS and x86)

WORK EXPERIENCE

Member of Technical Staff - Intern   Summer 2014
VMware, Palo Alto, CA
- Developed internal framework code for the QE Scale team in python
- Wrote an asynchronous HTTPSClient using asyncore
- Developed a system that leveraged posix queues and pre-existing framework code to build a representation of a network graph in a remote server

iOS Developer - Intern   Summer 2013
NIKSUN Inc., Princeton, NJ
- Worked as part of a team to create a home network monitoring app
- Used Core Data and other iOS libraries, both open-source and built-in

iOS Developer   Fall 2012
University of Illinois, Nutritional Research Lab
- Built iOS app to display graphs of protein vs. calories for various foods

PROJECTS

LLVM Research Group   Fall 2013
- Used PeachFuzz to automate fuzz testing of programs compiled with SAFECode
- Wrote fuzzing schemas for gzip and HTTP

Systems Class Final Project   Fall 2013
- Worked as part of a team to build a basic kernel
- Gained familiarity with Linux kernel design
- Built basic scheduling, syscalls, keyboard handler, etc.
- Built and used device drivers for custom hardware from scratch

Back-end Programmer, Zipidat   Summer 2012 - Spring 2013
- Built Java servlets and PHP back-end for an iOS game
- Worked with model-view-controller design and object-relational mapping tools

COURSEWORK

Technical Coursework

- Data Structures
- Computer Architecture
- Theory of Computation
- Computer Systems Engineering
- Prog. Langs and Compilers

- Computer Systems Organization
- Machine Learning (IP)
- Distributed Systems (IP)
- Communication Networks (IP)