Christopher Li

Contact

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Languages

C/C++ /Objective-C
Python
Ruby
JavaScript
HTML, CSS
Matlab
Verilog
SQL
LaTeX

Tools

*nix Administration
Adobe Illustrator
Subversion
Git
Bash

Education

University of Southern California, Los Angeles *may 2013*
B.S. Electrical Engineering (hardware software emphasis) · GPA: 3.7

Courses	Data Structures · Operating Systems · User Interface Design · Embedded Systems Design Lab
Honors	USC Presidential Scholarship 2009–present Viterbi School of Engineering Dean's List 2009–present W.V.T. Rusch Engineering Honors Program 2009–present
Societies	Eta Kappa Nu (HKN), Tau Beta Pi, IEEE

Work Experience

OTA/Antenna Design Intern, Apple *summer 2012*
Used Python to make a distributed, fault-tolerant framework for automating RF test equipment. Worked with overseas equipment vendor to develop their automation interface. Wrote data visualizer and helped centralize test data.
- Increased autonomous running time by up to 80x.

User Interface Developer, BountyBuy *summer 2011*
Responsible for implementation of designs to Haml and Sass, JavaScript interactions, and Ruby on Rails features.
- Refactored unit and integration tests, halving test times.

Paid Research, USC iLab *2009–present*
Granted Rose Hills Fellowship to write C++ and Python software for an autonomous quadrotor helicopter. Wrote microcontroller software to interface with hardware. Created a GUI for the USC iLab's robotics framework, written in Coffeescript. Designed and manufactured components and circuit boards. Electrical Team Lead since fall 2012.
- Increased organization by leading a migration to git for versioning.
- Reduced quadrotor weight by 5% with a new power distribution board.
- Placed 5th of 13 teams at the AUVSI International Aerial Robotics Competition.

Personal Projects

Nimbus	File system for CloudApp, written using FUSE. Successfully funded through Kickstarter.
Maxel	A multi-threaded download accelerator written using Cocoa and libcurl.
Trollicons	Rage icons for the most popular IM clients. A custom rake script makes deployment and generation of packages quick and easy. Over 20,000 downloads.
SevenServers	Web-based, social S/FTP client. Written in Ruby on Rails.