

Christopher Li

Contact

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Languages

C/C++ /Objective-C
Python
Ruby
JavaScript
HTML, CSS
MATLAB
Verilog
SQL
L^AT_EX

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

Awards USC Presidential Scholarship *2009–present*
Viterbi School of Engineering Dean's List *6 semesters*
W.V.T. Rusch Engineering Honors Program *2009–present*

Societies Eta Kappa Nu (HKN), Tau Beta Pi, IEEE

Work Experience

Apple · Intern · OTA/Antenna Design *summer 2012*
Designed a distributed, fault-tolerant system for running RF tests.

- Increased autonomous running time of a typical test from minutes to hours (up to 80x longer), freeing test engineers to run multiple tests concurrently.
- Implemented a web interface to control tests remotely for test engineers, allowing overnight jobs to utilize equipment at night.
- Created a graphical interface with a data visualizer for antenna engineers.

USC iLab · Undergraduate Researcher *2011–present*

Granted Rose Hills Fellowship to work on hardware and software for autonomous vehicles for both the iLab and USC Aerial Robotics.

- Redesigned GUI for the USC iLab's robotics framework, allowing for live collaboration with multiple users over the web.
- Led a migration to git for versioning, increasing organization.
- Taught new members electronic design and construction as electrical team lead.

BountyBuy · User Interface Developer *summer 2011*

Responsible for implementation of designs to Haml and Sass, JavaScript interactions, and Ruby on Rails features.

- Refactored Rails unit and integration tests, reducing test times by 50%.
- Redesigned user interaction for entering locations to provide visual feedback.

Personal Projects

Maxel A multi-threaded download accelerator written using Cocoa and libcurl. Maxel concurrently downloads a file by opening multiple HTTP connections to different segments in the file.

Trollicons Rage icons for the most popular IM clients. A Ruby script makes deployment and generation of packages quick and easy. Over 20,000 downloads.

SevenServers Web-based, social SFTP client. Users can add SFTP servers, add friends, and pool their servers into a single virtual storage space.