Weston Mizumoto

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Education

Stanford University
BS - Computer Science, Systems Track - June 2016 (expected)
3.6 CS GPA

Experience

Stanford University, Summer 2015
Programming Assistant

- Front and back end redesign of Themefinder.org.
- Developed new algorithms for faster searching.

Significant Coursework

Computer Organization and Systems (CS 107)	Principle of Computer Systems (CS 110)
Operating Systems (CS140)	Web Programming and Security (CS 142)
Networking (CS 144)	Network and Computer Security (CS 155)
Design and Analysis of Algorithms (CS 161)	Modern Algorithm Toolbox (CS 168)
Programming Languages (CS 242)	Introduction to Cryptography (CS 255)

Skills

Programming Languages: C/C++, Objective C, Java, HTML/CSS/Javascript, Ruby, x86 Assembly, Latex, Python
Software Development: Eclipse, X-Code, Git, Ruby on Rails

Projects

SundayContest.com:
- Weekly online Rubik's Cube Competition web app with 1000+ registered users.

Pintos Operating System:
- Implemented User and Kernel threads, Virtual Memory,and the filesystem of the Pintos operating system as part of the CS140 class.

Heap Allocator:
- Implemented my own versions of malloc(), realloc(), and free().

Who's There?:
- Developed an iPhone app at CalHacks that allows on to send push notifications to their friends without unlocking their phone.
- Sampled accelerometer data to develop a 'knock-detection' algorithm based on a high-pass filter.

Cubulator:
- iPhone app that helps Rubik's Cube competition competitors perform Statistical Calculations.

Other Interests

Rubik's Cube: Two-time National Champion, President of Stanford Rubik's Cube Club.
Piano: Performed in venues such as Carnegie Hall, and internationally in Austria, China, Germany, and Russia.