Weston Mizumoto

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Education

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

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)	Principles of Computer Systems (CS 110)
Operating Systems (CS140)	Web Programming and Security (CS 142)
Networking (CS144)	Network and Computer Security (CS 155)
Design and Analysis of Algorithms (CS 161)	Modern Algorithm Toolbox (CS 168)
Introduction to Cryptography (CS 255)	Randomized Algorithms (CS265)

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.

Speedcub.es
- Ruby on Rails webapp to help speedcubers find the cheapest prices for their speedcubes.

Who's There?:
- Developed an iPhone app at CalHacks that allows users 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.

Extra Curricular Interests

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