Weston Mizumoto

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Education

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

Experience

Stanford University, Winter/Spring 2016
Course Assistant to the Advanced Computer Security Certificate Program

- Wrote exams questions and lesson material
- Helped develop the virtual learning online platform

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 (CS107)	Principles of Computer Systems (CS110)
Operating Systems (CS140)	Web Programming and Security (CS142)
Compilers (CS143)	Networking (CS144)
Network and Computer Security (CS155)	Design and Analysis of Algorithms (CS161)
(Adv.) Data Structures (CS166)	Modern Algorithm Toolbox (CS168)
General Game Playing (CS227b)	Program Analysis and Compiler Optimization (CS243)
Bitcoin and Cryptocurrencies (CS251)	Introduction to Cryptography (CS255)
Algorithmic Paradigms and Optimization (CS261)	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 Ruby on Rails web app with 1200+ registered users.

Goo-Sh
- Filesystem and Shell implementation using Gmail email bodies as inodes and hard disk pages.

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

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, Estonia, Finland, and Russia.