WESTON MIZUMOTO

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EXPERIENCE

Past and Current Coursework:

- Honors Mechanics and Special Relativity (Physics 61)
- Honors Electricity, Magnetism, and Waves (Physics 63)
- Honors Quantum and Thermal Physics (Physics 65
- Analog Electronics (Physics 105)
- Linear Algebra and Multivariable Calculus (Math 51)
- Ordinary Differential Equations (Math 53)
- Partial Differential Equations (Math 131P)
- General Game Playing (CS 227B)
- Convex Optimization (CS 334a)

- Mathematical Foundations of Computing (CS 103)
- Programming Methodology (CS 106A)
- Programming Abstractions in C++ (CS 106B)
- Computer Organization and Systems (CS 107)
- Principles of Computer Systems (CS 110)
- Web Applications (CS 142)
- Design and Analysis of Algorithms (CS 161)
- Operating Systems (CS 140)
- Symbolic Musical Information (CS 275a)

Liberty Science Center Groovik's Cube: Worked as beta tester for Groovik's Cube web application.

EDUCATION

Stanford University
BS – Computer Science – June 2016 (expected)

SKILLS

Programming languages: C/C++, Objective C, Java, HTML/CSS/Javascript, Ruby, IA-32 Assembly, LaTeX
Web Development: Ruby on Rails
Software Applications: Eclipse, XCode, Git

PERSONAL PROJECTS

- **SundayContest.com:** Online weekly Rubik's cube competition web app built in Ruby on Rails with 500+ active users
- **Cubulator:** iPhone app that helps competitors in WCA Rubik's Cube Competitions perform statistical calculations.
- **iInspection:** iPhone app WCA Rubik's Cube competition inspection timer
- **BananaGamer:** A series of General Game Players using search methods such as Monte Carlo, and Alpha-Beta search tree pruning. Written using the GGP Code Base.
- **Heap Allocator:** *Implemented my own version of malloc(), realloc(), and free().*
- **Pintos OS:** *Implemented parts of the Pintos operating system as part of the CS 140 Operating Systems class*

OTHER INTERESTS

Rubik's Cube: 2011 and 2013 U.S. National Champion for One-Handed solving; President of the Stanford University Rubik's Cube Club

Piano: Performed concerts internationally in venues such as Carnegie Hall, Mozarteum, Beijing Central Conservatory, St. Petersburg Conservatory