

## WESTON MIZUMOTO

sun (714) -514-4177, [westonm1@stanford.edu](mailto:westonm1@stanford.edu)

[westonmizumoto.com](http://westonmizumoto.com)

[github.com/westonmizumoto](https://github.com/westonmizumoto)

### 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)
- Introduction to Cryptography (CS 255)
- 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