andreayl@mit.edu
Cambridge, MA

Andrea Lin

https://github.com/andrealin
https://andrealin.info

Education	**Massachusetts Institute of Technology (MIT)**	Cambridge, MA
	Candidate for Computer Science and Electrical Engineering	June 2022
	Coursework: Intro to Computational Thinking and Data Science, Multivariable Calculus	

Fairview High School — Boulder, CO
Graduated summa cum laude; SAT: 1570, ACT: 35, IB Diploma — May 2018

Work Experience

PhET Interactive Simulations — Boulder, CO
Software Development Intern — May 2016-August 2018
- Published Projectile Motion, an online JavaScript simulation with 28 translations and over 1,000,000 uses by students/teachers worldwide
- In the span of 14 months, implemented a new version in HTML5 so that schools with access to various technological resources could use it
- Colorado Arts and Sciences Magazine, Boulder Daily Camera, and BVSD Technology Blog interviewed me and published articles about my work
- Mentored another high school intern on coding a physics simulation and joining the PhET team

Hearing Research Lab of University of Colorado Boulder — Boulder, CO
Research Student — October 2015-March 2016
- Developed and evaluated a genetic algorithm in Python to make hearing aid fitting faster
- Presented research to state science fair judges and won 2nd in category

Viral Communications, MIT Media Lab — Cambridge, MA
Undergraduate Researcher — October 2018-Present
- Plan to investigate cultural inclusion through physical devices through a UROP (Undergraduate Research Opportunities Program)
- Create a web-based app displaying a heat map of sneaker wearers and levels of civic engagement

Leadership Experience

Colorado Math Circle — Boulder, CO
Teacher — August 2014-June 2018
- Directed after-school MATHCOUNTS practice sessions for groups of 4-6 students
- Stimulated interest in math among students from urban middle school and home schools
- American Regions Mathematics League (ARML) Colorado Team 1; top 4 within state at ARML

High School Speech and Debate — Boulder, CO
Captain of Policy Debate — August 2015-March 2017
- Designed yearlong debate course for 5-8 new members
- Wrote arguments and researched evidence for the team to use in weekly debate tournaments
- Coordinated team bonding events, including local restaurant outings
- Stanford Invitational Semi-finalist; State and National Qualifier; Academic All-American

Awards

National Center for Women in Technology (NCWIT) *National Honorable Mention*	2018
Society of Women Engineers Rocky Mtn. Division *Freshman Scholarship Winner*	2018
American Invitational Mathematics Examination (AIME) *Qualifier*	2015, 2017, 2018
N. American Computational Linguistics Olympiad (NACLO) *Invitational Qualifier*	2017
Colorado Science and Engineering Fair Computer Science *2nd Place Winner*	2016

Skills

Computer: JavaScript, Python, Java, HTML, Microsoft Office
Languages: English (fluent), Mandarin (fluent), French (intermediate)

Interests

Baking, Intermediate Moves Figure Skater, Japanese Mahjong, Asian Dance Team