

University Address
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Home Address
295 Barrington Lane
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EDUCATION

Massachusetts Institute of Technology

- Candidate for B.S. in Art and Design
- Candidate for B.S. Mechanical Engineering with a concentration in Autonomous Machines (MIT NEET)
- Candidate for Spanish Concentration
- GPA: 4.6/5.0
- Relevant Coursework: Toy Product Design, Design Computation, Python, How to Make (Almost) Anything

Class of 2021
Cambridge, MA

The Athenian School

- GPA: 4.5/4.0
- Relevant Coursework: AP Computer Science, Applied Science and Engineering, CAD and Fabrication

Class of 2017
Danville, CA

ACADEMIC EXPERIENCE

City Science: Media Lab, MIT

Undergraduate Researcher

- Created designs for an automatically collapsing table and micro-kitchen counter extender
- Generated full room animations that showed how the furniture interacted in a space

June 2020- August 2020
Cambridge, MA

MIT Forge and Foundry: Material Science, MIT

Undergraduate Researcher

- Fashioned different mixtures of steel in the hope of recreating lost Damascus steel
- Studied the material properties of these steels to understand what made Damascus steel superior

August 2019- January 2020
Cambridge, MA

Tangible Media: Media Lab, MIT

Undergraduate Researcher

- Developed an interface for an interactive shape display and wrote a [paper](#) published in February 2020
- Designed and fabricated a large-scale prototype of a variable magnetic particle

August 2017- January 2019
Cambridge, MA

TEACHING/OUTREACH

City of Miami Beach

Intern

- Worked full-time to create lesson plans for 14-hour after school programs in Scratch, Math and Logic, and 3D printing
- Currently teaching courses remotely to students, consistent with COVID-19 restrictions

June 2020 – Present
Miami Beach, FL

Edgerton Center

Makerlodge Mentor

- Maintained a hobby shop for three hours a week to teach people how to use the fabrication machines
- Created curriculum and taught teachers to implement maker shops in Boston area school districts

March 2018 – January 2020
Cambridge, MA

Women's Technology Program

Mechanical Engineering Tutor

- Worked full time during the summer as part of the residential staff in mentoring rising high school seniors
- Taught a class on motors and gears and created fun and engaging demos to inspire the girls

May 2019- August 2019
Cambridge, MA

DynaMIT

Camp counselor

- Created and presented lectures and led 7th graders through Mechanical Engineering activities

August 2018-August 2019
Cambridge, MA

LEADERSHIP EXPERIENCE/ VOLUNTEER WORK

Sigma Kappa Sorority

Baking Chair (2019)/ Panhellenic Recruitment Counselor (2020)

- Led team to bake 200+ cookies every week and planned the food served during recruitment
- Counseled potential new members through recruitment in an unbiased manner

September 2017 – Present
Boston, MA

Maseeh Hall

Floor 2 representative

- Managed 90 people and \$1,600 budget for floor activities to cultivate a closer community.
- Created a Big/Little mentor system to make freshmen feel more comfortable reaching out to upperclassmen

September 2018-May 2019
Cambridge, MA

First Robotics Mentor

CAD Mentor during Intraterm break

- Oversaw high school students on the design/CAD team and kept an overall eye on the machine shop
- Aided in decision making and led the students to choose a design that was possible within their skill set

December 2017-February 2018
Danville, CA

SKILLS/INTERESTS

Technical Skills: Computer Programing (Java, Python), SolidWorks, Shopbot CNC router, Laser Cutter, 3D printer, Excel

Language: Conversational in Spanish (intermediate in writing), Learning Japanese

Interests: SWE, SHPE, Teaching, Volleyball, Choir, Yoga, Reading, Scuba Diving, Speech and Debate, Knitting