

EDUCATION

Massachusetts Institute of Technology

Intended Bachelor of Science in the Department of Electrical Engineering and Computer Science

Cambridge, MA

Class of 2019

Relevant Coursework – Differential Equations, Algorithms I, Programming I

Fall: Computation Structures, Artificial Intelligence, Math for Computer Science

Santa Monica High School

Valedictorian – 4.5/4.0 Weighted/Unweighted GPA, ACT: 34 – M: 35, E: 36, CR: 32, S: 32

Santa Monica, CA

Class of 2015

Relevant Coursework – Multivariable Calculus, Linear Algebra

EXPERIENCE

Nano Terra, Inc.

Software Engineer, R&D - Intern

Cambridge, MA

Summer 2016 - current

Developing graphical user interface for data collection by gas sensors.

Coordinating with electrical engineers to design new sensor prototype iterations.

Computer Science and Artificial Intelligence Lab

Project Arco - Researcher

Cambridge, MA

Winter 2015 – June 2016

Building a web crawler to obtain biological models with their respective metadata for analysis

Creating a cross-compiler to convert octave files to a unique dynamic problem solving language

Legacy Effects, LLC

Three Dimensional Computer Modeling – Intern

San Fernando, CA

Summer 2015

Utilizing a handheld scanner to create computerized scans of model objects.

Stitching various scans with Artec Studio to generate cohesive models for artistic manipulation.

Hour of Code

Instructor at John Adams Middle School - Volunteer

Santa Monica, CA

Spring 2014

Leading weeklong classes of seventh grade students in instruction of key coding concepts.

Troubleshooting student projects with interactive examples.

LEADERSHIP AND ACTIVITIES

Phi Beta Epsilon

Network Administrator

Santa Monica, CA

Spring 2016 – Current

Maintaining and updating the fraternity website, implementing new features to enhance user experience

Communicating with MIT administration to effectively resolve network issues

Vacation Bible School

Physical Science Teacher – Volunteer

Santa Monica, CA

Summer 2011 – Summer 2015

Planning engaging lessons, demonstrations, and experiments that promote scientific understanding.

Inspiring and motivating elementary students to pursue careers in STEM fields.

Santa Monica Science Outreach

President of John Adams Middle School Division

Santa Monica, CA

Fall 2013 – Spring 2015

Establishing a volunteer organization that allows high school students to teach middle school students.

Collaborating with teachers to conduct seminars on the topics of physics, chemistry, and biology.

SKILLS

Python • HTML/CSS • C/ C++ • CAD Modeling (AutoCAD) • Rapid Prototyping • Microsoft Word, Excel, Powerpoint