

+ education

Franklin W. Olin College of Engineering

Candidate for B.S in Electrical and Computer Engineering 2018

Mass Academy of Math and Science

High School Diploma GPA: 4.0 2014

Advanced two-year secondary school program at Worcester Polytechnic Institute (WPI)

+ projects

Rapid Recipes

Spring 2015, program in Python to take in a user's ingredients and time constraints and search the Yummly API for recipes that met those specifications, built with two other students. <http://rapid-recipes.herokuapp.com>

Project Liberty - MakeMIT

Spring 2015, developed a personal safety bracelet targeted toward college aged students, 3D printed bracelet housing an Arduino, a Bluetooth module, and a small button paired with an Android application developed using Android Studio

Modeling a Space Probe to Analyze Halley's Comet

Fall 2014, functionally accurate MatLab model of the solar system including Halley's Comet, with an initial model of the orbit of a space probe beginning in Earth's orbit and landing on Halley's Comet

Sound Localizer & Analog Circuits

Fall 2014, work completed in an analog circuit class at Olin College, circuits designed include a blood pressure reader, glucose sensor, and digital converter for Arduino usability. Sound localizer project included Arduino and LED array which lit up depending on where in a room a sound was made.

Genetics in *D. melanogaster*

October 2012 - January 2014, research completed at Worcester Polytechnic Institute, analyzing the effect of a knock-out gene in Drosophila nervous system, experimenting with genetics in major systems of Drosophila, bioinformatics work on protein with a role in cell division

+ employment

Website Design and Management

Designing websites and logos for political figures, studio owners

Mar 2014 to Current

Needham, MA

Princeton University Biophysics REU

Chemical Engineering internship, surfactant and polymer study

Summer 2015

Princeton, NJ

Writing Tutor

Writing tutor for students at Olin College of Engineering

August 2015 to Current

Needham, MA

Child Care

Primary care giver for infants to teenagers

2010 to Current

Worcester, MA

Residential Resource

Orientation leader and mentor for first-year Olin College students

August 2015 to Current

Needham, MA

+ skills

PROGRAMMING

Python, Git, HTML5, CSS, Javascript, MatLab, Arduino C, Solidworks, LaTeX, Wolfram Mathematica, Maple, MAYA

WEBSITE DESIGN AND MANAGEMENT

Rapid Weaver, HTML, CSS, Adobe Creative Suite, Wordpress

+ websites

- **accessibleicon.org**
Design activism, reimagining the accessible icon, built with Wordpress
- **rapid-recipes.herokuapp.com**
Recipe search engine, built with Python, HTML, CSS, Flask, Javascript
- **simplyyogawithlynn.com**
Yoga studio website, built with Rapid Weaver, HTML, CSS
- **chandler4senate.com**
Senate campaign website 2014, build with Rapid Weaver, HTML, CSS

+ volunteering

- Engineering Discovery, engineering outreach program, Present
- Habitat for Humanity build volunteer, 2012-2014
- Chemistry/Biology Tutor, 2010-2012
- Science for Shooting STARS, volunteer presenter, after-school STEM enrichment program, 2013-2014

+ activities and awards

- Society of Women Engineers (SWE) Treasurer, Scholarship Recipient, 2014
- Delegate for the 2014 American Association for the Advancement of Science (AAAS) convention in Chicago, 2014