

### + 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, 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