

AUDREY LEWIS

✉ audrey.lewis@students.olin.edu 🌐 audreywl.github.io ☎ (512)827-9289
in [audreywl](#) 🔗 [audreywl](#)

EDUCATION

Olin College of Engineering

B.S. Engineering: Robotics

Relevant Coursework: User Oriented Collaborative Design, Introduction to Computational Robotics, Principles of Engineering
Class of 2019

EMPLOYMENT

Olin College of Engineering, IT Technician, Needham, MA

Aug 2016 - Current

Replacing hardware and fixing software for student laptops. Supporting A/V for events, and training other students in IT.

Calendar Frontend Developer

Jun 2017 - Jul 2017

Developed a new schoolwide calendar with a small team. Designed and programmed the reactive web frontend.

Peer Writing Tutor

Sep 2016 - Dec 2016

Assisted fellow students with analytical writing.

Intel Programmable Solutions Group, SoC FPGA Intern, Austin, TX

May 2016 - Aug 2016

Worked on assorted coding projects to support specialty SoCFPGA bootloader

RECENT PROJECTS

Auto-Targeting Trebuchet

Nov 2017 - Dec 2017

Designed and constructed a desktop-sized trebuchet that aimed with computer vision

"A Very Potter Musical" Technical Design

May 2017 - Nov 2017

Led the technical department for the semester musical production, designing set, lighting, costumes, etc.

"Cascade" Water Curtain

Oct 2016 - Dec 2016

Prototyped a large waterfall system able to display a variety of images through mechanical, electrical, and software integration.

MAME Cabinet

Jan 2016 - May 2016

Implemented classic arcade game emulator in full-sized arcade cabinet, built with other students.

ACTIVITIES

Franklin W Olin Players, Technical Director

Jan 2016 - Current

Overseeing all technical decisions for plays by school theatre department. Making club purchasing decisions and supervising student crew.

VOLUNTEERING

Skillpoint Alliance, STEM Camp Instructor

Jun 2014 - Aug 2014

Taught middle-school students basic engineering concepts. Created 3D printing-based curriculum, taught shop safety and environmental sustainability.

SKILLS

PROGRAMMING COMPETENCIES: Python, ROS, Git, Linux, JavaScript, React

MECHANICAL COMPETENCIES: CAD (Solidworks, Onshape), Rapid Prototyping (3D Printing, Lasercutting)

TECHNICAL THEATRE: Set Design and Construction, Sound Design and Board Operation, Light Board Operation