

Zachary A. Sherman

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EDUCATION

- Olin College of Engineering, Needham, MA December 2023
 - Bachelor of Science in Mechanical Engineering
 - Recipient of four-year, 50% Olin Merit Tuition Scholarship
- Gann Academy, Waltham, MA June 2019

SKILLS

- Machine shop trained: mill, lathe, drill press, laser cutter, 3D printer, etc.
- Python, MATLAB, Onshape, SolidWorks, HTML/CSS, Adobe Creative Cloud Suite
- Proficient in French and Hebrew

EXPERIENCE

PTC/Onshape, Boston, MA - Quality Assurance Intern September 2020-January 2021

Product design platform combining 3D CAD, PDM, and collaboration in the cloud.

- Tested new features for quality before public release
- Assisted in translating Onshape into French
- Discovered and reported bugs in production and beta software using JIRA
- Achieved Onshape Associate and Onshape Professional certifications

MetaBronx, Bronx, NY - Photography Mentor August 2020

Entrepreneurship education program to accelerate startups founded by untapped demographics.

- Designed interactive curriculum including photography, photo editing, and portfolio publishing
- Taught curriculum via video call to approximately 15 high school students

Gann Academy, Waltham, MA - Marketing Intern Summers 2019-20

Greater Boston's pluralistic, independent, Jewish high school.

- Shot and edited video advertisements and interviews
- Created social media for new head of school
- Updated and added pages to website

Videos By Zachary, Lexington, MA - Founder, Videographer, Editor 2017-Present

- Run own business in videography and photography, including video and photo editing
- Film and edit videos for small businesses, non-profits, and individuals
- Videography portfolio available at www.zacharysherman.com/videography

Camp Yavneh, Northwood, NH - Technology Specialist Summers 2017-18

Coed Jewish overnight summer camp, located on 65 acres of woodland and waterfront.

- Managed staff technology, including computers, printers, projectors, and sound systems
- Maintained wired and wireless networks and live streamed events using OBS
- Taught classes in photography and 3D printing

PROJECTS

Information about additional projects available in portfolio at www.zacharysherman.com/portfolio.

Smart Clock 2019-Present

- Writing web-based program to control setting alarms, information display, and smart devices
- Using Inkscape to design and laser cut enclosure

Musical Stairs Spring 2018

- Processed data gathered by sensors to convert results to audible musical notes
- Programmed Arduino microcontroller and implemented LiDAR sensors
- 3D printed housing for each sensor to attach magnetically to stairs

ACTIVITIES

- Amateur Radio Technician, callsign KC1NXX, and member of Olin Collegiate Amateur Radio Club
- Sound engineer for eight Gann Academy productions and other local theaters
- Member of Olin College's AIAA Design-Build-Fly project team
- Pursuing Private Pilot Certificate