

Zachary A. Sherman

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EDUCATION

- Olin College of Engineering, Needham, MA May 2023
 - Bachelor of Science in Mechanical Engineering
 - Recipient of 4-year, 50% Olin Merit Tuition Scholarship
- Gann Academy, Waltham, MA June 2019

SKILLS

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

EXPERIENCE

Onshape, Boston, MA Fall 2020-Present

Quality Assurance Intern

- Testing new features before public release
- Assisting in process of translating Onshape into a foreign language
- Finding and reporting bugs in production and beta software using JIRA

MetaBronx, Bronx, NY August 2020

Photography Mentor

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

Gann Academy, Waltham, MA Summers 2019-20

Marketing Intern

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

Videos By Zachary, Lexington, MA 2017-Present

Founder, Videographer, Editor

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

Camp Yavneh, Northwood, NH Summers 2017-18

Technology Specialist

- 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

Additional projects in portfolio, linked above

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