

# 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
- Onshape, Python, MATLAB, SolidWorks, Adobe Creative Cloud Suite, Figma, HTML/CSS
- Proficient in French and Hebrew

## EXPERIENCE

### Onshape, a PTC Business, Boston, MA

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

#### User Experience (UX) Intern

Summer 2021

- Designed prototypes for major new software features in Figma
- Created library of vector “components” for UX team, enabling faster software prototyping
- Wrote specifications for new features and worked with developers to implement them

#### Quality Assurance Intern

September 2020-January 2021

- Tested new features for quality before public release
- Discovered and reported over 600 bugs in production and beta software using JIRA
- Assisted in translating Onshape into French
- 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.*

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

### Videos By Zachary, Lexington, MA - Founder, Videographer, Photographer, Editor

2017-Present

*Self-owned business in videography and photography, including video and photo editing.*

- Shoot and edit photos and videos for small businesses, non-profits, and individuals
- Videography portfolio available at [www.zacharysherman.com/videography](http://www.zacharysherman.com/videography)

## PROJECTS

*Information about additional projects available in portfolio at [www.zacharysherman.com/portfolio](http://www.zacharysherman.com/portfolio).*

### Voice-Controlled Automatic Window Shades

Summer 2021-Present

- Designed and built internet-connected motor housing to interface with retail shades
- Wrote code for Arduino to connect motor system to the internet, allowing voice and app control

### Video Camera Slider Motorization

Winter 2020-Present

- Designed, 3D printed, and assembled parts to attach a motor, battery, and belt system to a commercially available camera slider
- Writing code to control the slider from the unit or using an app

## ACTIVITIES

- Amateur Radio Technician, callsign KC1NXXK, and co-leader of Olin Collegiate Amateur Radio Club (OCARC)
- Sound engineer for eight Gann Academy productions and other Boston-area community theaters
- General Member of Olin College's Honor Board
- Member of Olin College's AIAA Design-Build-Fly project team
- Pursuing Private Pilot Certificate