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

PROJECTS

Information about additional projects available in portfolio at 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 KC1NXK, 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