

PERSONAL PROFILE

Mechanical Engineer with research, design, and development experience in manufacturing methods and analysis. Adapts quickly to new technologies with excellent communication and writing skills. Experienced in SolidWorks design and assembly as well as machining, 3D printing, and Microsoft office productivity tools. Excellent collaborator, and team leader eager to contribute to the team's success.

EDUCATION

UNIVERSITY OF MASSACHUSETTS LOWELL ■ LOWELL, MA

MECHANICAL ENGINEERING

2019 – 2023

- Data Assimilation
- Design and Assemblies
- Product Testing and Iteration
- Maintenance and Repair
- Computer Aided Design Proficiency
- Team Player
- Organized Leader
- Mechanical Engineering Component Design

TECHNICAL SKILLS

- SolidWorks CSWA Certified
- C / MATLAB / Python
- Technical Report Writing
- Microsoft PowerPoint, Excel, and Word

PROFESSIONAL SKILLS

- Quantitative Research
- Competitive Public Speaking
- Project Management
- Analytical skills

WORK EXPERIENCE

ENTEGRIS ■ BILLERICA, MA

NEW PRODUCT DEVELOPMENT CO-OP

JUNE 2022 – APRIL 2023

- Modeled and build multiple prototypes of a precision pneumatic trimmer for filter membrane for manufacturing
- Worked with complex assemblies in SolidWorks with tight tolerances
- Adapted to a new industry and quickly learned how to apply skills and experience to projects
- Learned new skills, software and tools from co-workers
- Modeled a stand configuration for proprietary testing of new processes for filter errors

GODDARD CONSULTING LLC. ■ NORTHBOROUGH, MA

NEW PRODUCT RESEARCHER

MAY 2020 – DECEMBER 2021

- Researcher for new product development along with patent research.
- Development using SolidWorks, coding with arduinos, and prototyping with 3D printing.

CHICK-FIL-A ■ WESTBORO, MA

CHICK-FIL-A SERVER

JUNE 2019 – SEPTEMBER 2021

- Cashier proving customer service and building communication skills.
- Maintain a positive environment and make guests feel happy and welcome.

WESTBORO TENNIS AND SWIM CLUB ■ WESTBORO MA

LIFEGUARD

2017-2020

- Lifeguard responsible for the safety and security of the health club.
- Trained in CPR and first aid.

SKILLS AND EXPERIENCE

- Internship at National Grid
- Experience with Computer Aided Design (CAD), 3D printing, ANSYS, CNC and simulations
- Mechanically inclined and experience with machine shop, manufacturing and build robots for FIRST FRC
- Working knowledge of Microsoft office suite
- Interests include raspberry pi, Arduino, lasers, 3D printing and programming