

EDUCATION

University of Massachusetts, Lowell, MA

Bachelors of Mechanical Engineer

May 2024

SKILLS

- Computer: Proficiencies in Matlab, Solidworks, Simulink, Abaqus, Revit, AutoCAD, Microsoft Suite, Bluebeam PDF
- Technical: 3D Printing, Bridgeport CNC, Hand & Bench Tools, Laser Engraving, Familiarity with GD&T
- Certificates: SolidWorks Associate Mechanical Engineering

WORK EXPERIENCE

BLW Engineers, Littleton, MA — *Plumbing / Fire Protection Engineer* (March 2024 - Current)

- Taken lead of plumbing systems design for large residential and mixed use buildings.
- Collaborated with the project team and architects to troubleshoot and navigate issues and scope changes.
- Worked extensively in Autodesk's software suite, specifically using Revit 2020-2025 and AutoCAD
- Handled project from the kick-off, through each stage of design, until construction has been completed

SMC Ltd., Devens, MA — *Project Engineering Intern* (January 2023 - August 2023)

- Integral part of engineering team that facilitated medical device manufacturing through development into full scale production
- Independently scoped, designed, and fabricated a number of fixtures to aid in measurement and validation methods
- Spearheaded mold component serialization initiative by auditing assets, formulating work instructions, and restructuring organizational framework used to minimize quality production risk.

AHA Consulting Engineers, Lexington, MA — *Plumbing Engineering Intern* (May 2022 - August 2022)

- Learned and applied Revit 2022 and Autocad 2019 to modify and build plumbing systems
- Aided in the design of 15+ major projects, from UPenn renovations to Raytheon lab construction
- Collaborated with other plumbing engineers to complete large scale projects in a timely manner
- Performed site visits and participated in proposal meetings for 15+ million dollar projects