

Noah Love-Walsh

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PROFESSIONAL SUMMARY

Senior Mechanical Engineering student seeking internship/co-op for Spring 2026 and full-time position following graduation. Extensive hands-on experience in mechanical design and computer aided engineering, manufacturing, and project execution. Demonstrates excellence in project execution, cross-functional collaboration, and effective communication in varied engineering applications. Brings a track record of successful project completion in both academic and industrial environments, with expertise in prototype development, process improvement, and engineering analysis.

EDUCATION

Western New England University, Springfield, MA

B.S. in Mechanical Engineering

Anticipated May 2026

Honors Program; GPA: 3.74

INTERNSHIP EXPERIENCE

Adaptas Solutions, Palmer, MA

September 2021 – January 2022

Mechanical Engineering Intern

- Built, redesigned, and tested a SCARA robot, utilizing 3D printing and coding skills
- Learned and applied quality control skills
- Created and delivered presentations on engineering and procurement to interdisciplinary employees
- Created SCARA informational documents (BOM, spec sheet, assembly and troubleshooting guide)

Dennis Group, Springfield, MA

May 2024-August 2024

Packaging Engineering Intern

- Used AutoCAD to design and analyze industrial packaging lines for the food/beverage industry
- Traveled on-site (CLIF Bar Indianapolis) to conduct asset tagging and gain knowledge of plant processes and machinery
- Contacted OEM's to acquire machinery insight and quotes
- Gained proficiency in packaging machinery systems and integration

Syracuse University, Syracuse, NY

May 2025-August 2025

Research Assistant, Shan Research Group

- Manufactured and tested a variety of samples utilizing Instron machine, collecting and analyzing results
- Conducted a study of manufacturing processes to improve efficiency
- Investigated alternative manufacturing methods during SLA printer repair period
- Pursued independent project, creating test plans, manufacturing processes, and data analysis

WORK EXPERIENCE

Western New England University, Springfield, MAMachine Shop Technician

January-May 2025 & September 2025-Present

- Reviewed incoming jobs for viability, raw material needs, and part drawing adequacy
- Utilized lathe and drill press for part manufacturing, with MasterCam for automated parts
- Provided manufacturing consultation for various part/project needs

Mechanical Laboratory Technician

September 2024-Present

- Operate 3D printers and the laser cutter to produce various parts
- Communicate with other technicians to ensure a steady workflow between shifts
- Help students realize their design ideas by providing consultation on manufacturing processes

Teaching Assistant: Data Acquisition and Processing

January-May 2024 & January-May 2025

- Assisted in teaching LabVIEW coding and facilitating an engineering design project

Student Grader: Intro to Engineering

September 2023-December 2023

- Grade engineering assignments including SolidWorks (parts, assemblies, and drawings), Arduino, basic circuits

Resident Advisor

August 2023-May 2024

- Organized residence hall events, mediated disputes, held two weekly duty rotations

PROJECTS AND INVOLVEMENT

Senior Design Project

September 2025-May 2026 (Present)

- Designed and tested a soft robotic gripper for low-temperature environments through modification of the elastomeric material properties and inclusion of a protective mesh/foil sheathing

Materials Science Honors Project

September 2024-December 2024

- Built small scale industrial composter to test the decomposition of WNEU's PLA 3D printing filament

Product Development and Innovation Project

September 2025-December 2025 (Present)

- Developed the industrial composter design from a prototype to a marketed product, with analysis of market size, manufacturability, and overall profitability, through interdisciplinary teamwork

SAE BAJA Club

September 2024-May 2025 & September 2025-May 2026

- Chain Drive redesign for higher speed applications, Rear Chassis redesign for weight savings and manufacturing, Throttle Pressure Sensor Linkage Design
 - Utilized 3D modeling, FEA, and design and project planning processes for all BAJA projects

ASME Club President

January-May 2023 & September 2024-May 2025

- Organized engineering workshops, design competitions, and industry connection events

Software Capabilities: SolidWorks (CAD & CAE), MATLAB; LabVIEW; Arduino; Siemens NX: AutoCAD, ABAQUS