

Jeremy G. Malmo

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Objective

Aspiring mechanical engineer with hands-on experience in additive manufacturing, mechanical design, and technical problem-solving. Seeking a challenging role to leverage my expertise in CAD modeling, simulation, and fabrication to develop innovative engineering solutions.

Skills

Technical Skills

- CAD Software: CATIA, SolidWorks, AutoCAD
- Analytical Tools: MATLAB, Excel
- Fabrication: 3D Printing, MIG Welding, Metal Fabrication
- Prototyping: Design Iteration

Soft Skills

- Leadership, Adaptability, Persistence
 - Team Collaboration, Customer Service, Public Communication
 - Time Management and Organizational Logistics
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Education

Bachelor of Science in Mechanical Engineering

Northern Arizona University | May 2025

Senior Capstone Project | Collaboration with Boeing | Fall 2024 - Spring 2025

- Designed and developed a maximum payload drone, integrating advanced CAD and simulation tools to enhance structural integrity and performance.
 - Conducted iterative prototyping and testing to meet project benchmarks.
 - Presented findings and outcomes to Boeing engineers, gaining valuable feedback and industry insights.
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Professional Experience

R&D Intern

Rosotics | Mesa, AZ | Summer 2023

- Researched, fabricated, and tested the Rapid Induction Live Interpass (RILI), an advanced additive manufacturing process for aerospace and marine applications.
- Designed and conducted simulations in CATIA and SolidWorks, optimizing manufacturing workflows.
- Displayed initiative by independently identifying and completing critical tasks, driving project success.

Waiter/Bartender/Prep Cook

Connie's Restaurant & Saloon | Island Park, ID | Summer 2022

- Delivered excellent customer service in a fast-paced environment, honing adaptability and teamwork.
- Assisted with boutique sales and managed on-call maintenance repairs, demonstrating versatility.

Equipment Operator/Worker

City of Ammon, ID | Summer 2020 - Fall 2021

- Operated and maintained heavy machinery, including backhoes, excavators, and dump trucks.
- Supervised field teams to ensure adherence to project timelines and budgets.

Construction Worker

Island Park, ID | Fall 2021

- Performed residential construction tasks, including framing, electrical work, plumbing, and finish carpentry.
 - Ensured compliance with county codes and client specifications.
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Leadership & Awards

Sergeant at Arms

Sigma Pi Fraternity | Beta-Iota Chapter | Spring 2022 - Fall 2023

- Organized and executed charity events, fostering leadership and organizational skills.
- Ensured compliance with fraternity policies and facilitated effective team collaboration.

Idaho Gem Boys State Delegate

American Legion | Summer 2021

- Participated in a state government simulation, enhancing public speaking and legislative skills.
- Engaged in education demonstrations at Mountain Home Air Force Base, broadening knowledge of government-aerospace intersections.

Eagle Scout

Boy Scouts of America | Summer 2019

- Designed and led a fundraising project, managing resources and volunteers to achieve community goals.
 - Developed problem-solving and discipline through challenging leadership experiences.
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Additional Activities

Hobbies

Woodworking | DIY Engine Repairs | Outdoor Adventures | Robotics Enthusiast | 3D-Printing