

Emanuel Salinas

salinaseman2000@gmail.com

+1-602-502-3188

Goodyear, AZ, US

Work Experience

Quality Control Technician Intern

May 2024 - Jan 2025

Restoration Forest Products, LLC | Bellemont, AZ

- Conducted daily checks on lumber dimensions, moisture, defects, and quality to develop products across sawmill operations.
- Collaborated with teams to resolve equipment issues, maintaining quality and developing products efficiently.
- Recorded inspections, reported deviations, and proposed process improvements to develop products

Buildings and Systems Engineering Supervisor

Apr 2021 - Oct 2022

UNITED PARCEL SERVICE UPS | Goodyear

- Managed UPS preventive/corrective maintenance plans, optimizing KPIs through analysis and system-driven improvements on a 1,000,000 sq ft facility.
- Enhanced 360° maintenance by evaluating contractors for technical and economic performance.
- Pursued professional development through SOP editing, record management, and advanced facility management training.

Projects

Northrop Grumman Capstone Project Manager

Jan 2025 - Present

Developed, networked, and tested a separation system for the NG-NAU Rocket, ensuring reliable stage separation. Collaborated with Northrop Grumman, conducted PDR/CDR, and validated performance through tests, delivering the final prototype and report.

- Lead on the product development, manufacturing, and aircraft integration of a separation stage of a Level 3 rocket.
- Conducted aerodynamic analysis and flight simulations to optimize performance and stability.
- Developed and tested hardware solutions to ensure avionics systems' integrity and functionality in flight.

Core Skills

CAD (SolidWorks & Fusion 360), Supersonic Simulation (RASAero II & OpenRocket), Heat Transfer Simulation (SimScale), MATLAB, Microsoft Word & Excel

Education

Northern Arizona University

Aug 2023 - Dec 2025

Bachelor of Science Mechanical Engineering

Relevant Coursework: Compressible Flow, Heat Transfer, Thermodynamics II, Fluid Mechanics I

GPA: 3.11

Estrella Mountain Community College

Aug 2018 - Dec 2022

Associate of Science Engineering