

SETH DELUCA

Secret Level Security Clearance

13039 N Bellbird Dr, Oro Valley, AZ 85755 | 309.214.3201 | smdeluca01@gmail.com

OBJECTIVE

Enthusiastic mechanical engineering graduate (May 2024) seeking an engineering position applying my skills and experience in supporting company goals while building real world practical experience.

EDUCATION

Northern Arizona University, Flagstaff, Arizona..... August 2020 - Present
Bachelor of Science in Mechanical Engineering (May 2024 Graduate)
GPA: 3.03 / 4.0

WORK EXPERIENCE

Raytheon Missiles & Defense | Program Quality Engineering Internship..... Summer 2023

- Created a plan to prepare equipment for customer inspection per contractual requirements
- Developed relationships and communicated status with stakeholders contributing to program contract closure phase
- Verified conformance and location of test equipment and tools during program's transition to production
- Resolved manufacturing problems using Root Cause Corrective Action analysis
- Presented project experience to various business levels and engineering disciplines

Raytheon Missiles & Defense | Supplier Quality Engineering Internship Summer 2022

- Documented and analyzed frequent defects of material using Microsoft Office Excel
- Evaluated nonconforming hardware with defect analysis and failure mode summary
- Dispositioned defective supplied hardware to get reworked, returned, or scrapped
- Excelled in a team environment working on continuous improvement

Project Experience

SAE Baja Capstone | Rear Suspension Lead..... Fall 2023

- Researched complex design space and performed benchmarking for design conception
- Performed team presentations and participated in design reviews demonstrating calculations and analysis proving design concepts
- Applied SOLIDWORKS knowledge to manufacture a design aligning with customer requirements and team requirements
- Conducted Finite Element Analysis based around Failure Modes and Effect Analysis to ensure concept robustness and reliability

Relevant Skills and Qualities

Leader, Self-Motivated,
Adaptable, Analytical,
Organized, Time Oriented

Activities

NAU SAE Baja
ASME Member