

# Daniel Patrick Grimm

Fountain Hills, Arizona | 480-536-3437 | dannygrimm10@outlook.com | linkedin.com/in/daniel-grimm-5a0142333/

## EDUCATION

**Northern Arizona University** — Flagstaff, Arizona

B.S. Mechanical Engineering | Expected May 2026

Lumberjack Scholarship Recipient

Relevant Coursework: SolidWorks, Machine Design, Engineering Analysis, Thermodynamics, Materials Science

## ENGINEERING PROJECTS

**Formula SAE – Senior Capstone (Chassis Subteam, FEA & Manufacturing Lead)**

- Led structural FEA in ANSYS to validate chassis integrity and optimize stiffness-to-weight ratio
- Redesigned frame geometry in SolidWorks to improve rigidity over previous team iterations
- Coordinated fabrication and welding processes for final assembly

**Satellite Dish Design Project (Design & Manufacturing Lead)**

- Designed and fabricated lightweight dish structure; reduced surface area by 25%
- Integrated SDR++ and SatDump to receive GOES weather satellite transmissions
- Conducted iterative testing to validate signal strength and structural durability

## PROFESSIONAL EXPERIENCE

**Dan's Pool Care** — Office Assistant / Pool Technician | Aug 2019 – Present

- Manage billing systems and customer accounts with high accuracy
- Install and troubleshoot mechanical pool equipment
- Apply chemical treatments in compliance with safety protocols

**Affordable Installations** — Assistant Manager | May 2025 – Present

- Lead small installation teams and oversee daily operations
- Coordinate logistics and maintain safety standards

**Oka Sushi** — Dishwasher | Mar 2021 – Aug 2022

- Maintained sanitation standards and trained new employees

## TECHNICAL SKILLS

CAD: SolidWorks | Analysis: ANSYS, MATLAB | Manufacturing: 3D Printing, Machining, Welding

Software: Excel, LabVIEW, Word | Strengths: Structural Analysis, Prototyping, Testing

## LEADERSHIP & INVOLVEMENT

Key Club — Volunteer Member