

Levi McAdams

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Education

Northern Arizona University, College of Engineering, Flagstaff, AZ
Bachelor of Science in Mechanical Engineering
-First Generation College Student

December 2023

Professional Experience

Nestle Purina Pet Care, Flagstaff, AZ
Engineering Intern

May 2023 – Present

- Manage projects and develop bid scopes for contractors
- Create design solutions to address areas of opportunity
- Supervise contractors and maintenance personnel on capital upgrades and projects
- Document manufacturing processes

ATL Wings, Flagstaff, AZ
Shift Lead, Kitchen Staff

July 2021 – January 2023

- Working 15 – 20 hours weekly to offset educational expenses
- Lead 2-3-person team to operate the kitchen efficiently
- Resolve issues with customers to ensure excellent customer experience

Budd Built Designs, San Marcos, CA
Apprentice

December 2018 – July 2020

- Operate, Set-up, Tear-down, CNC Machines and fixtures to produce various parts
- Learned Fusion360® and Solid Works® program to program CNC machine tool paths
- Analyze engineering blueprints
- Welding (MIG/TIG) for production

Project Experience

NAU, Flagstaff, AZ
Student

August 2020 – Present

- Completion of SolidWorks® and MATLAB® courses
- Design experiment for Biomechanical Modeling of Force Deformation in foot during Gait Cycle
- Developed active aero car spoiler with AI sensing
- Developed Mechanical and Software systems for a VR Robotic Utility Tank

Leadership

Sigma Nu Fraternity, Flagstaff, AZ
Recruitment Chair/Vice President

January 2021 – December 2021

- Responsible for all aspects of recruitment
- Organized/Managed members to ensure success of chapter operations.
- Led most successful event in recent chapter history by obtaining 18 new members.

Skills USA, Southern California
Team Captain

March 2017 – April 2017

- Led team in meetings/competitions between other high schools in knowledge of automotive industry
- 1st Place Southern California Regional Competition
- 6th Place California State Championship

Software and Technical Skills

SolidWorks®, MATLAB®, Fusion360®, G-Code, MIG Welding, TIG Welding, CNC Machining, CNC Plasma Cutting