

# Brendan Frazier

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## SUMMARY OF QUALIFICATIONS

- Mechanical engineering student interested in the design process, LEAN efficiency, and manufacturing
  - Proficient in SolidWorks and Microsoft Office
  - Experience with Matlab, Simscale, and ANSYS Mechanical
  - Demonstrated ability to work effectively and safely with a team via consistent communication
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## EXPERIENCE

May 2025 - Current

### **NAU Mechanical Engineering Capstone - Renewable Energy Heater**

- Complete the duct routing, circuitry, and roof mounting assembly for 2 solar air heaters
- Acquire leadership skills as project manager including setting meetings, resolving internal conflicts, and improve design methodology
- Perform and validate complex heat transfer and fluid mechanical based mathematical simulations to model solar performance
- Work effectively with four other mechanical engineering students requiring constant communication

May 2021 - August 2021

### **Sawyer - Northern Sonoma County Fuels Crew (NSCFC)**

- Successfully completed the Northern Sonoma County Fire Protection District's safety training courses on chainsaws, chippers, and controlled burns
- Improved decision making skills because of the high risk involved with operating heavy machinery
- Work in adverse and varying conditions as job sites extended all of Northern Sonoma County
- Contributed to flyers informing the public of the NSCFC and the efforts to improve fire safety throughout the county
- Help keep the crew stocked with all required supplies including grease, chains, and fuel
- Demonstrated leadership when assisting with training of new sawyers

May 2022 - Current

### **Pro Shop Attendant - Continental Country Club**

- Provide support to all persons having questions about tee times, practice facilities, memberships, and club opportunities
  - Setup and cleanup of all tournaments and club events
  - Find solutions to altercations that occur between guests
  - Improved multitasking skills in order to properly address phone calls and in person guests
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## EDUCATION

August 2019 - May 2020

### **Santa Rosa Junior College**

August 2020 - December 2025

### **BS Mechanical Engineering, Northern Arizona University**

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## SKILLS

Organization

Teamwork

Problem-solving

Communication

