

# CADEN ADAMS

Mechanical & Bio-engineering student | 2025

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## Experience

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### Cracker Barrel Old Country Store #778

Flagstaff, AZ

#### Server Trainer

06/2024 - Present

In my role as a Server Trainer at Cracker Barrel Old Country Store #778 in Flagstaff, Arizona, I was responsible for training new servers and instilling a strong customer and service culture. I made sure to be approachable and supportive, creating a welcoming environment for new hires to learn and grow.

### Bioprupulsion Lab - NAU

Flagstaff, AZ

#### Researcher

08/2024 - Present

In my role as a Researcher at the Bioprupulsion Lab, I extensively worked on modeling aneurysm phantoms and analyzing rupture risks using CAD and CFD software tools like ANSYS and Solidworks. I collaborated closely with a team to develop novel solutions for our research projects.

- Published an abstract on intracranial aneurysm phantom rupture analysis awaiting review by ASME Biomedical division.

### Cracker Barrel Old Country Store #778

Flagstaff, AZ

#### Server

06/2023 - 06/2024

In my role as a Server at Cracker Barrel Old Country Store #778 in Flagstaff, Arizona, I collaborated with team members to ensure efficient service delivery, managed multiple tasks under time constraints, and took on various roles within the restaurant to contribute to its success.

### Bioengineering Devices Lab - NAU

Flagstaff, AZ

#### Lab Assistant

08/2023 - 03/2024

In my role as a Lab Assistant at Bioengineering Devices Lab - NAU,

- Operated a rheometer to conduct tests on various materials, simulating arterial wall qualities.
- Developed innovative cleaning methods for aneurysm phantom vessels, streamlining the testing process and reducing labor time.

## Education

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### Northern Arizona University

Currently Enrolled, Mechanical Engineering

08/2021 - 05/2025

## Summary

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Driven mechanical engineering student with hands-on experience in CAD, CFD, and bioengineering research. Proficient in MATLAB and SolidWorks, with a proven ability to innovate and collaborate in academic and professional environments.

## Training / Courses

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Computer Aided Design

Computational Fluid Dynamics

Scan to Mesh to Solid experience

## Skills

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Soft Skills: Communication • Teamwork • Time Management

Technical Skills: MATLAB • SolidWorks • ANSYS • CFD • Rheometer Operation