

ROWAN JONES

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Professional Summary

Mechanical Engineering graduate-to-be from Northern Arizona University with expertise in mechanical design, FEA, heat transfer analysis, and precision machining. Experienced in SAE Baja and research labs, applying SolidWorks, MATLAB, and data-driven methods to real-world challenges. Skilled in manufacturing drivetrain components, analyzing vehicle thermal impacts, and optimizing designs for performance. A proactive team player with strong problem-solving skills and a passion for turning complex ideas into results.

Websites

- <https://www.linkedin.com/in/rowan-jones-631372224/>

Skills

- SolidWorks Design (CAD)
- ANSYS Finite Element Analysis
- Microsoft Excel and MATLAB
- Safety awareness
- Manual Machining (Mill & Lathe)
- CNC Basics
- Time management
- Teamwork

Work History

Visitor Experience Associate, 06/2022 to Current

Lowell Observatory – Flagstaff, AZ

- Provided exceptional guest experiences by guiding and assisting visitors
- Developed strong problem-solving and communication skills

Service Coordinator, 08/2020 to 01/2022

Discount Tire – Phoenix, AZ

- Served as a primary point of contact for clients, addressing inquiries, providing updates, and ensuring overall satisfaction with services rendered.
- Managed approximately 100 vehicle services per day, ensuring timely and effective service delivery.

Education

Bachelor of Science: Mechanical Engineering, Expected in 05/2025

Northern Arizona University (NAU) - Flagstaff, AZ

Relevant Coursework: Heat Transfer, Experimental Methods in Thermal Sciences, Machine Design, Thermodynamics, Fluid Mechanics

- Dean's List Years 3 and 4 Semester 1
- [Lumberjack](#) Scholarship Recipient

Senior Engineering Design Project

- **SAE Baja Roles:**
- Lead Designer for the Front Gearbox
- Technical Resource Manager for the Baja team
- **Contributions:**
- Gear Design
- Casing Design
- FEA of Gearbox components