

VICTORIA LYON

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EDUCATION

Bachelor of Science in Mechanical Engineering

Expected May 2026

Northern Arizona University (NAU) | *Flagstaff, AZ*

- NAU Lumberjack Merit Scholarship Award Recipient.
- Member of Pi Beta Phi (ΠΒΦ), served on Executive Council.
- Member of Society of Women Engineers, served on Leadership Team.
- Member of American Society of Mechanical Engineers.
- Member of Bioengineering Club.

LinkedIn:



SKILLS

Technical Tools & Software: SolidWorks, MATLAB, 3D Slicer, ANSYS Mechanical APDL, Microsoft Office Suite, Google Workspace.

Imaging & Analysis: Medical imaging segmentation (MRI, CT, cryo-imaging), 3D reconstruction, anatomical modeling.

Certifications: Machine Shop Safety Training – Northern Arizona University (Feb 2024), Biomedical Research – CITI Program, Health and Human Services IRB Training (2024).

Interpersonal & Leadership: Strong communication, team collaboration, and leadership experience in academic and organizational settings.

Customer Service: Proven ability to build rapport, manage inquiries, and deliver high-quality service in fast-paced environment

ENGINEERING PROJECTS

Senior Design Capstone | Powered Hip Prosthetic | NAU

August 2025-Current

- Budget Liaison: Manage project budget, purchasing, and cost tracking.
- Anatomical Lead: Ensure prosthetic motion and geometry align with human hip biomechanics.
- Collaborate on CAD design, modeling, and system integration within a four-person team.

Undergraduate Researcher | Feigenbaum Research Group | NAU

June 2025-Current

- Analyze MRI and CT medical imaging using 3DSlicer to segment and reconstruct detailed anatomical models of the female pelvis and pelvic floor muscles.
- Collaborate to develop accurate 3D models for finite element analysis, enhancing the understanding of pelvic tissue response under second stage of labor.

WORK EXPERIENCE

Community Assistant | American Campus Communities, SkyView | *Flagstaff, AZ*

July 2023-November 2023

- Built strong client relationships through exceptional customer service, persuasive communication, and efficient inquiry management.
- Demonstrated reliability, attention to detail, and problem-solving skills by organizing records, collaborating effectively, and providing 24/7 on-call support.

Server | Fresca Cafe | *Prescott, AZ*

July 2020- June 2022

- Provided exemplary customer service by seating, serving, and managing phone inquiries efficiently.
- Coordinated and drafted server schedules with strong organizational and time-management skills.

LEADERSHIP EXPERIENCE

Vice President of Recruitment | Pi Beta Phi (ΠΒΦ) Sorority | NAU

November 2023-December 2024

- Increased chapter membership by 50%. Lead recruitment efforts, including primary recruitment and continuous open bidding, organized workshops, and set member expectations to achieve chapter membership goals.
- Chaired the Membership Selection Committee, facilitating selections per guidelines and analyzing recruitment events for continuous improvement.

Social Media Marketing Specialist | NAU Chapter of the Society of Women Engineers | NAU

April 2024-April 2025

- Manage social media content and execute strategic marketing to boost engagement, event attendance, and chapter awareness.
- Collaborate with other executive board members to coordinate promotional efforts, align messaging with chapter goals, and amplify outreach for events and initiatives.