

Aiden Camisa

www.linkedin.com/in/aiden-camisa-1b7278272

Summary of Qualifications

928-707-9840 · acamisa234@gmail.com

- Mechanical Engineer with experience in Mechanical, Control, and Electrical systems.
 - Proficient in SolidWorks, MATLAB, LabVIEW, ANSYS, and CAD modeling with exposure to FEA and basic stress analysis.
 - Skilled in teamwork, technical communication, and project coordination with a strong foundation in leadership, adaptability, and attention to detail.
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EDUCATION

Northern Arizona University – Flagstaff, Arizona

Expected May 2026

Bachelor of Science, in Mechanical Engineering

GPA: 3.35

- Relevant Coursework: Thermodynamics, Fluid Mechanics I & II, Machine Design, Material Science, Biomaterials
 - Clubs Involved in: American Society of Mechanical Engineers, Bioengineering Club, Circle K International
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PROJECTS

Biological Differences between Male and Female Arteries within the Circle of Willis

- I performed research evaluating and determining anatomical differences within the arteries within the neurovascular region of the brain. Worked with a grant of \$7500 over the course of one year.

Active Powered Hip Prosthetic

- I designed, built, and programmed a prosthetic leg for individuals who suffer from Hip disarticulation. I acted as the Project Manager, Manufacture team member, and Co-Controls Lead.
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EXPERIENCE

Bioengineering Device Lab, Flagstaff AZ

January 2023 – Present

Research Assistant

- I conduct experimental research on fluid and pressure interactions in vascular models to support biomedical device evaluation and design refinement. I collaborated with Buro Neurological Institute and Harvard Medical School
- Process and visualize experimental data using MATLAB, LabVIEW, and ANSYS to assess flow behavior, pressure distributions, and mechanical response.

Associated Students of Northern Arizona University, Flagstaff AZ

August 2023 - Present

Director of Finance

- I manage and allocate student organization funding by developing budgets and tracking expenditures to support efficient use of resources.
- I advise student leadership on financial planning and policy compliance to inform data-driven funding decisions. In addition, I helped to manage Memorandum of Understanding with other departments.

NAU Admissions, Flagstaff AZ

August 2022 - Present

True Blue Ambassador

- I represent Northern Arizona University to prospective students and families through campus tours, events, and informational outreach.
 - I communicate academic programs, campus culture, and student opportunities to support recruitment efforts.
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Community Outreach

- National Residence Hall Honorary Adopt-a-Highway program; Participated in a community wide roadway cleanup. (2023)
 - Campus Living Student Association; I assisted in the Annual Homecoming Bonfires by running tables. (2023 to 2025)
 - Campus Living Student Employment Panel; I was a Panelist for my role of Community Assistant (2024)
 - Flagstaff Family Food Center; I went multiple times to help distribute food to those in the community who need it. I did these in collaboration with Circle K international, the service Club. (2025)
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ADDITIONAL

- Getting Started with ANSYS Certificate (2025)
- NAU HURA Research Grant (2024)
- ASNAU Emerging Leader (2025)
- Dean's List (2022, 2024, and 2025)
- LumberJack Award (2022)
- Eagle Scout Award (2018)
- Black Belt, Taekwondo (2015)
- First Robotics Competition (2018 to 2021)
- First Tech Challenge (2015 to 2018)