

Niki Wilson

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EDUCATION	<p>Northern Arizona University – Flagstaff, AZ (Expected graduation 2024) Double Major – Mechanical Engineering / Modern Languages – French</p> <ul style="list-style-type: none">◦ Interdisciplinary Global Program – Université de Bordeaux◦ Dean’s List – 7 semesters◦ 3.69 GPA <p>Northern Arizona University – Flagstaff, AZ (Expected graduation May 2025) Master of Science – Mechanical Engineering, Wind Energy Certificate</p>
PROFESSIONAL EXPERIENCE	<p>Intern (Jan 2023 – April 2023) Centre de Recherche Paul Pascal, Bordeaux, France</p> <ul style="list-style-type: none">◦ Microfluidic instrumentation at a physical chemistry lab◦ Built and tested a syringe pump made from a repurposed 3D printer and self-manufactured parts <p>Camp Counselor (July 2022) College of Informatics, Engineering, and Applied Sciences, NAU</p> <ul style="list-style-type: none">◦ Instructor of robotics for 24 middle school students◦ Organized lessons and supervised student practice <p>Student Administrative Assistant (July 2019 – May 2021) English Department, NAU</p> <ul style="list-style-type: none">◦ Processed forms for undergraduate and graduate students◦ Reserved classrooms and conference rooms for faculty and graduate students◦ Interacted with faculty to pursue department goals
PROJECTS	<p>Wind Turbine (CWC) – Fall 2023, Spring 2024</p> <ul style="list-style-type: none">◦ Capstone full-year project designing a small wind turbine based on Collegiate Wind Competition guidelines <p>Wind Turbine – Spring 2022</p> <ul style="list-style-type: none">◦ Designed a small wind turbine within Collegiate Wind Competition constraints and function requirements◦ Worked within a team to produce a complete system effectively and efficiently <p>Remote-Controlled Vehicle – Fall 2021</p> <ul style="list-style-type: none">◦ Designed and built two controllable vehicles with to traverse an obstacle course and complete predetermined tasks, including object transport, with size and weight requirements◦ Collaborated with team members to develop an effective prototype
SKILLS	<p>Software: SolidWorks, Microsoft Office, Peoplesoft, MATLAB, Adobe Acrobat Machine Shop: Safety training, Vertical Mill Languages: Intermediate French</p>
ACTIVITIES	<p>Wind Energy Club (June 2023 – Present)</p> <p>American Society of Mechanical Engineers (Aug 2021 – Present)</p>