

Courtney Hiatt

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Summary	Mechanical engineering student with an interest in chemistry applications in engineering. Passionate about using material science to produce more sustainable devices and infrastructure.
Education	Bachelor of Science, Mechanical Engineering , Northern Arizona University <i>(exp.) Dec 2024</i> <ul style="list-style-type: none">Relevant Coursework: Material Science, Thermodynamics, Fluid Mechanics, Heat Transfer, Electrical Engineering, Manufacturing, AutoCAD, Numerical Analysis Associate of Science, Chemistry , Mesa Community College <i>2022</i> <ul style="list-style-type: none">Relevant Coursework: Organic Chemistry, Inorganic Chemistry, NMR/IR/Mass Spectroscopy
Work Experience	Undergraduate Laboratory Internship , Pacific Northwest National Lab <i>May 2024- August 2024</i> <ul style="list-style-type: none">Design chemometric modeling training set for testing a new instrumentUse MATLAB for data analysis for instrument calibration Engineering Intern , Savannah River Environmental Sciences Field Station <i>May-Jul 2023</i> <ul style="list-style-type: none">Conducted a literature review on titanium foam materials used as artificial bonePerformed various material tests including a hardness test and a stress-strain analysisParticipated in poster presentations to employees at the Savannah River National Laboratory Cosmetic Formulator , Fenix Aura LLC <i>May 2022- Current</i> <ul style="list-style-type: none">Owns and operates an Arizona-based cosmetic LLCFormulates products using chemistry knowledgeWon 1st place at the Mesa Community College \$1500 business pitch competition STEM Tutor , Northern Arizona University Academic Success Center <i>Jan 2023- May 2024</i> <ul style="list-style-type: none">Supported peers in physics, math, and chemistry subjects Undergraduate Chemistry Research , Mesa Community College <i>2022</i> <ul style="list-style-type: none">Worked alongside Dr. Asmita Kane to develop a method to measure sulfate concentrations in soil by combining the Williams & Steinberg sulfate extraction method and titrationObserved the effects that sulfates have on plant growth and analyzed solutions to sulfate disposalPresented at the Arizona-Nevada Academy of Science presentation as well as the Mesa Community College honors symposium Laboratory Technician Intern , Shamrock Foods <i>May-Aug 2022</i> <ul style="list-style-type: none">Wrote detailed Standard Operating Procedures for the labCreated a plan to implement software that aids with the information flow at the plant. The plan is projected to save the company \$240,000/year Physical Science Tutor , Mesa Community College <i>2021-2022</i> <ul style="list-style-type: none">Worked as an embedded tutor in two general chemistry classesHeld review sessions and built relationships with students
Skills	SOLIDWORKS MATLAB NMR/IR/Mass spectroscopy MS Office 80 WPM typing speed Customer Service Tutoring CSS HTML JavaScript Python
Awards	Dean's List Mesa Community College Business Pitch 1 st place Phi Theta Kappa Scholarship Robert Z. Hawkins Foundation Scholarship Jim Troxell Foundation Scholarship
Other Experiences	Women Who Compute Robotics Competition <i>2023</i> <ul style="list-style-type: none">Designed a robot using Arduino and light detection sensors