

Hannah E. M. Nordhoff

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Education

University of Utah, College of Science, Salt Lake City, UT

- Honors Bachelor of Science, Chemistry, Emphasis in Biology, Spring 2025 (*anticipated*)
 - Master of Science, Chemistry, Spring 2026 (*Graduation anticipated*)
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Professional Experience

Teaching Assistant - University of Utah, Dept. of Analytical Chemistry *August 2024 - Current*

TA for Advanced Quantitative Analysis Lab

- Taught exemplary wet-lab conduct through effective modelling of EHS-standard procedures
- Collaborated with peers and supervisors to ensure procedural accuracy and cohesiveness
- Knowledgeable in the operation procedures of analytical equipment, including ICP-OES, GCMS, HPLC, and UV-Vis instrumentation. Provided in-depth instruction for the student operation of these instruments

Stockroom Attendant- University of Utah, Dept. of Chemistry

August 2023 - Current

Chemical Laboratory Stockroom Assistant

- Carefully prepared, tested, and stored chemical solutions for laboratory use
- Provided supplemental student instruction in theoretical analytical chemistry methods

Research- University of Utah, Dept. of Chemical Engineering

March 2023 - September 2024

Undergraduate Researcher

- Developed and performed procedures concerning the synthesis of inorganic materials, rating their responsiveness to external stimuli, and incorporating preliminary instrumentation
- Performed literature review to gather information relevant to the project
- Prepared tables and graphs to communicate results in addition to creating operational procedures and schedules for project progression

Teaching Assistant - University of Utah, Dept. of Chemistry

August - December 2022

TA for General Chemistry II Lab

- Attention to detail when grading and modifying student-designed procedures
 - Demonstrated experimental set ups and proper use of laboratory equipment
 - Explained a variety of chemical concepts during lectures and independent office hours
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Leadership Experiences and Awards

- Flagship Scholarship - University of Utah - *Fall 2021 - present*
- Expected STEM presentation in Spring 2025 (UROP) Research Seminar - *October 2024*
 - *Hydrogel Acetaldehyde Sensor: Synthesis, Development, and Applications to Human Health*
- STEM presentation in the Spring 2024 Undergraduate Research Seminar - *April 2024*
 - *Seasoning Safely: An Analytical Evaluation of the Hazards of Environmental Pollutants*
- Undergraduate Research Opportunity Program participant - *Fall 2023 & Spring 2024*
- AP Scholar with Distinction - *awarded Spring 2021*
- AP Scholar with Honors - *awarded Spring 2021*