

# ABIGAIL SHEPLEY

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## Objectives

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Driven college student looking to develop skills and gain experience as a chemical or process engineer.

## Education

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BSE in Chemical Engineering, University of Iowa

Minor: Chemistry

Elective Focus Area: Energy and Environment

Expected Graduation: May 2024

Cumulative GPA: 4.03

Baxter High School

Graduation: May 2020

## Relevant Experience

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Teaching Assistant, Materials Science and Thermodynamic/Transport Laboratory | Fall 2023 - Spring 2024

- Led a lab class that explored the different properties of materials, helping to deepen the understanding of the course content for the students
- Worked closely with the primary instructor and students building professional communication skills
- Managed my own time in regards to grading, school work, and other responsibilities to complete all of my tasks well and on time

Engineering Intern, GHD | May 2022 - August 2023

- Consulted directly with three clients on air compliance, updating SPCC, and interpreting data
- Translated technical aspects of analysis on waste water sampling, to help client better understand what was occurring within plant and be better equipped to explain to other employees
- Conducted data analysis on water pollutants using Excel to identify trends in historical monitoring well results
- Gained familiarity with government compliance related to air emissions and waste water.
- Contributed to updating 95 page SPCC covering over 150 oil containing units with direct supervisor
- Collected soil and waste samples to ensure compliance with company monitoring well placement guide, further laboratory testing, and confirmation of proper disposal through Waste Management

Cashier, Baxter Country Stores | December 2019 - June 2020

- Sanitation, food preparation, and financial oversight after each shift
- Processed and completed food orders for customers
- Mentored new team members in job expectations and performance

## Involvement

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American Institute of Chemical Engineers

Environmental Coalition at Iowa

Omega Chi Epsilon

## Acknowledgements

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Valedictorian - Baxter High School | 2020

Iowa Flagship Academic Award | 2020-2023

University of Iowa President's List | 2021-2022

University of Iowa Dean's List | 2020-2023

Kook-Wha and Kwang-Kuk Koh Scholarship |  
2021-2023