

Casie Meyer

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EDUCATION

The University of Iowa | Iowa City, IA

Anticipated May 2025

Bachelor of Science in Engineering | Environmental Engineering

- Geography Minor
- UI Honors: Fall 2021 – Present

CIMBA | Paderno Del Grappa, Veneto, Italy

Summer 2023

Study Abroad Program

- Completed 3 engineering core credits and 3 Italian language and culture credits in 5 weeks
- Traveled to 4 major European cities to learn more about the culture

WORK EXPERIENCE

Center for Health Effects of Environmental Contamination | Iowa City, IA

April 2022 – Present

Student Research Assistant

- Tested tap water of Iowa homes and Head Start programs for water quality parameters and metal concentrations
- Analyzed samples of Iowa river, stream, creek and well water for metal concentrations monthly
- Utilized instruments (ion chromatograph, mass spectrometer, Hach TNT vial tester) to obtain accurate results
- Communicated public health data to 3 research scientists with Excel spreadsheets and weekly discussions

Iowa Department of Natural Resources | Nevada, IA

May 2024 – August 2024

Pollution Prevention Intern

- Collaborated with Burke (Hormel) to assess wastewater treatment inefficiencies and reduce excess cBOD
- Assessed composite wastewater data from past 2 years to find exceedance magnitudes and product correlations
- Sampled 54 products' wastewater generated directly from cooking to find products that cause excess cBOD
- Recommended hydrogen peroxide addition to wastewater to reduce TSS, TKN, and cBOD, save Burke \$40,000

University of Iowa – College of Engineering | Iowa City, IA

January 2024 – May 2024

Teaching Assistant – CEE:3002, Technical Communication in Civil and Environmental Engineering

- Led a small group of 7 students through the process of creating a technical presentation for one class each week
- Graded all assignments (reflections, graphs/tables, rough drafts, presentations) of each student in my small group
- Held 2 hours of office hours each week, open to all students in the course, to assist students with any questions

Iowa Institute of Hydraulic Research – Hydrosience and Engineering | Iowa City, IA

June 2023 – May 2024

Student Office Assistant

- Closely assisted a business analyst by scanning and organizing documents in administrative filing system
- Recorded financial transactions of faculty and staff by collecting receipts and updating Excel spreadsheets weekly
- Ensured smooth execution of major events by buying, renting, and delivering proper supplies to correct locations

Bradley and Riley PC | Cedar Rapids, IA

Summer/Winter Breaks: May 2021 – January 2023

Central Services Intern

- Organized cases of 26 attorneys in multiple offices creating 5-7 physical files and scanning between 2-10 files daily
- Interacted with 5-30 clients daily by taking cold calls, assessing needs, and scheduling appointments
- Maintained office organization by receiving/distributing mail, filling office supplies, condensing file storage system

UNIVERSITY MEMBERSHIPS

Member | *Theta Tau Omicron*

Fall 2023 – Present

Secretary | *Water Environment Federation*

Spring 2023 – Present

Member | *Society of Women Engineers*

Fall 2022 – Present

Fellow | *University of Iowa Honors Program Fellows Cohort*

Fall 2023 – Spring 2024