

Joseph Hoffman, EIT
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Temporary: Iowa City, IA

Experience

University of Iowa – IIHR—Hydroscience & Engineering, Iowa City, IA

October 2021 – May 2025

Graduate Research Assistant (August 2024 – May 2025)

- Compiled data and previous literature to construct an effective narrative
- Collected, analyzed, and visualized data to communicate results
- Conducted comprehensive literature reviews to gain expertise in environmental photochemistry

Undergraduate Researcher (October 2021 – May 2024)

- Communicated results in a presentation to the Spring 2023 National American Chemistry Society Meeting
- Communicated results in a poster to the Fall 2022 Midwest Regional American Chemistry Society Meeting
- Prepared standard solutions and buffers by using liquid transfer, weighing, dilution, and micro-pipetting
- Recorded and analyzed data from 50+ samples a day using high-performance liquid chromatography
- Performed calibration, operation, and repair of laboratory equipment and instruments

McClure Engineering Company, Coralville, IA

May 2024 – August 2024

Onsite Representative Intern – Water Team

- Served as resident project representative for a \$16.25 million, 5-mile sanitary sewer project
- Conducted a sanitary sewer inspection and evaluation of 300+ manholes
- Created and updated project maps using AutoCAD
- Performed smoke testing for 100+ manholes

JEO Consulting Group, Ankeny, IA

May 2023 – August 2023

Water/Wastewater/Electrical Team Intern

- Collaborated with a team of multidisciplinary interns to take a summer project to the 90% design phase
- Tabulated quantity takeoffs for wastewater treatment facilities and storm sewer projects
- Sorted through historical price data to compile an accurate engineer's opinion of probable cost
- Compiled storm sewer data to assist in modeling storm sewer flows for municipalities
- Reviewed shop drawings and specifications for wastewater treatment facilities

Education

The University of Iowa, Iowa City

Anticipated Graduation May 2025

Master of Science in Engineering

GPA: 4.0

- Program: Water and the Environment, Specialization: Environmental Engineering Science
- Thesis: Environmental Photochemistry of Altrenogest, Supervisor: David Cwierny

The University of Iowa, Iowa City

2020-2024

Bachelor of Science in Environmental Engineering

GPA: 3.79

- Minor in Chemistry
- Dean's List: All Semesters

Certifications

Passed FE Environmental Exam

January 2024

Skills

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|----------------------|--------------------------|--------------------------|
| • Project Management | • Microsoft Office Suite | • Water Treatment Design |
| • Communication | • MATLAB | • Water Resources Design |
| • Problem Solving | • Basic CAD | • Liquid Chromatography |
| • Modeling | • ArcGIS | • Laboratory Procedures |