

# Riley Demond

rileydemond@oakland.edu • (586) 324-1395 • Rochester Hills, MI • <https://rileydemond.com>

## CAREER FOCUS

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*As a dedicated senior in Environmental Science at Oakland University, I bring a dynamic perspective shaped by my previous studies in Engineering. Witnessing the environmental challenges of our time inspired me to change my academic focus to sustainability and resource management. I am passionate about protecting our planet through innovative solutions that conserve natural resources and reduce harmful environmental impacts.*

## EDUCATION

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**Oakland University, Auburn Hills, MI**

**Expected Graduation Date: April 2026**

*Bachelor of Science, Environmental Science*

*Specialization in Sustainability and Resource Management*

*Relevant course work: Stream Ecology, Environmental Law and Policies, and GIS Analysis Sustainability*

## PROFESSIONAL EXPERIENCE

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**Clinton River Watershed Council, Rochester Hills, MI**

**April 2025 -Current**

*Environmental Science Intern | 20-28 hours/week*

- Hands-on experience collecting and working with data on watershed management and aquatic ecology
  - Water quality monitoring and sampling, macroinvertebrate sampling, habitat assessments and inventories, surveying, site assessments, and green stormwater infrastructure
- Assisted with environmental education and stewardship programs for both children and adults. Facilitated K-12 streamside monitoring program with over 1,500 students across 4 weeks.
- Assisted in rain barrel and rain garden installation as well as demonstrations for residents.

**Oakland University, Pontiac, MI**

**September 2024 – April 2025**

*Undergraduate Research Assistant | 10 hours/week*

- Focused on environmental approaches that impact physical and biological activity in our area.
- Conducted data collection on property conditions in the City of Pontiac by observing and documenting conditions through surveys. Experience with Regrid and Adobe.
- Assisted Dr. Lucarelli with resources such as the City of Pontiac meetings, minutes, and transcriptions with coding.

**Oakland County Government: Health Division, Pontiac, MI**

**May – August 2024**

*Sanitarian Intern | 40 hours/week*

- Provided routine on-site inspections of lodging places, day-care centers, food services, food processing establishments, public swimming pools, and public beaches to assess human health and environmental quality with 1-on-1 assistance for the public.
- Collected samples of drinking water supplies, sewage disposal systems, and recreational lakes for laboratory analysis.
- Shadowed seasoned inspectors perform evaluations on body modification shops, lead paint inspections, groundwater and surface water monitoring, and mosquito collections with analysis.
- Utilized current Countywide and department-specific software to complete assignments.

## RELEVANT EXPERIENCE

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**Oakland University Honors College, Rochester, MI****September – December 2023***Teaching Assistant for HC 1000: Making Discoveries |6-10 hours/week*

- Encouraged freshman students to collaborate through teamwork, involvement on and off campus, and developing technical skills in reading and writing.
- Led 16 students by organizing group activities, grading and assisting with assignments, and team-building tasks.

**PROJECTS & VOLUNTEERING**

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**Nine Element Watershed Plan Using GIS****11/2024**

- Utilizing the watershed data downloaded from the Michigan Open Data Portal, I created a Nine-Element Watershed Plan to improve watershed quality

**Soil Analysis****3/2024**

- Collected soil samples in 3 locations in Southeast Michigan and conducted tests and measurements of different components (nitrate, pH, phosphorus, humus, etc.) of our samples to summarize the soil.

**Stonefly Search/Adopt-A-Stream Volunteer for Clinton River Watershed Council****2/2024 & 2025,  
5/2025**

- Volunteered for the Clinton River Watershed Council to assist in collecting samples of aquatic macroinvertebrates (stoneflies for Stonefly Search) and assessing the physical environment of the surroundings of the river from our collections to determine the quality of the Clinton River. For Adopt-A-Stream, we collected over 100 macroinvertebrates of all taxa.

**SKILLS**

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**Programming languages: List programming languages or skills**

**Sampling and Testing:** Experience and knowledge of how to sample WATER? in both professional and experimental fields

**GIS (Geographic Information System):** Using ArcGIS Pro and data to conduct symbology, georeferencing, geoprocessing, raster management, and other skills.

**Software Applications:** Microsoft Office (PowerPoint, Excel, VisualStudios, etc.), Google Adobe, and Regrid

**Environmental Education:** Teaching, supporting, and leading volunteers and students about environmental topics such as sustainability, pollution, streams, and macroinvertebrate identification.

**ACHIEVEMENTS & ACTIVITIES**

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OU Talented Scholar Award

Barry M. Klein Scholarship

Spirit of Discovery Award from Oakland University Honors College

Member of the Ecology Club, the Pollinator Conservation Organization, and the Water Resources Club, YDSA (Young Democratic Socialists of America), and Grizzlies for Choice

**References upon request**