Enrollment Data Specialist

Job Detail

JOB OPENING ID
259315

WORKING TITLE
Environmental Data Specialist

JOB TITLE
App Programmer/Analyst Assoc

WORK LOCATION
Ann Arbor Campus
Ann Arbor, MI

MODES OF WORK
Onsite
Hybrid

FULL/PART TIME
Full-Time

REGULAR/TEMPORARY
Regular

FLSA STATUS
Nonexempt

ORGANIZATIONAL GROUP
School Nat Res Envir

DEPARTMENT
SEAS CIGLR

POSTING BEGIN/END DATE
1/27/2025 - 2/26/2025

SALARY
$55,000.00 - $65,000.00

CAREER INTEREST
Information Technology

How to Apply

Applications are welcomed and encouraged from all qualified individuals regardless of background and identity. To apply, please complete the application on the U-M Careers site. A one-page cover letter is required for consideration for this position and should be attached as the first page of your resume. The cover letter should:

- Address your specific interest in the position and outline your experience that is directly related to this position.
- Describe in detail your experience that pertains to each of the required qualifications listed below.

Job Summary

The Cooperative Institute for Great Lakes Research (CIGLR) is seeking an individual to join our team as an Environmental Data Specialist. This role will focus on the design and development of observing networks for the Great Lakes region, and the maintenance and enhancement of scientific software and applications. The individual will work closely with CIGLR, partners affiliated with the Great Lakes Observing System (GLOS), and the National Oceanic and Atmospheric Administration's Great Lakes Environmental Research Laboratory (NOAA GLERL) to support research efforts and data management.

This position is open only to US Citizens or permanent residents due to federal security clearance required for access to NOAA GLERL facilities and resources.

Term Limited Appointment: This is a one-year term limited appointment, with an opportunity for extension based on funding and performance.

Mission Statement

The School for Environment and Sustainability (https://seas.umich.edu/) is a collaborative and interdisciplinary school. Our mission includes contributing to the protection of environmental resources and the achievement of a sustainable society. We accomplish this by generating and sharing knowledge, contributing to policy and engaging managers and stakeholders. The University of Michigan is a top-ranked public university with excellence in research and teaching. Ann Arbor, home to the University of Michigan, is a town known for arts, culture, parks and restaurants.

SEAS is committed to creating and maintaining an inclusive and equitable environment that respects diverse experiences, promotes generous listening and communications, and discourages and restoratively responds to acts of discrimination, harassment, or injustice. Our commitment to diversity, equity and inclusion is deeply rooted in our values for a sustainable and just society

Who We Are

Cooperative Institute for Great Lakes Research (CIGLR), is part of the University of Michigan's School for Environment and Sustainability (SEAS) located in Ann Arbor, Michigan. CIGLR is a collaboration between the University of Michigan and NOAA that brings together experts from academia and government research labs to address pressing problems facing the Great Lakes region.

Why Work at Michigan?

In addition to a career filled with purpose and opportunity, The University of Michigan offers a comprehensive benefits package to help you stay well, protect yourself and your family and plan for a secure future. Benefits include:

- Generous time off
- A retirement plan that provides two-for-one matching contributions with immediate vesting
- Many choices for comprehensive health insurance
- Life insurance

- Long-term disability coverage
- Flexible spending accounts for healthcare and dependent care expenses

Responsibilities*

In collaboration with CIGLR, GLOS, and NOAA GLERL scientists, you will:

- Use data-driven tools to design and develop advanced observing networks for the Great Lakes region.
- Implement and maintain scientific software solutions, ensuring robust and reproducible data processing workflows.
- Manage cloud-based databases, ensuring efficient data storage and retrieval.
- Perform data management for ecological monitoring programs, buoy systems, and autonomous vehicles.
- Maintain web-based applications, including dynamically updated real-time data visualizations and web pages.
- Conduct data visualization, analyses, and quality control processes.
- Collaborate with scientists and staff on the preparation of scientific manuscripts and presentations, as well as on best practices for data management and software development.

Required Qualifications*

- A bachelor's degree or higher in computer science, data science, natural sciences, engineering, or a related field. Master's degree preferred.
- 1-3 years of related experience in a professional setting.
- Experience working with large datasets in open-source software environments, particularly Python.
- Demonstrated experience in using and developing software systems for scientific applications, particularly for analyses, visualization, and/or quality control. Experience with geospatial data is also preferred.

- Demonstrated ability to work both independently and in a collaborative environment.
- Coursework or practical experience with computational and machine learning packages (e.g., PyTorch, Tensorflow).
- Experience with cloud-based database management and data-driven web pages using APIs.

Modes of Work

You will spend the majority of time at NOAA's Great Lakes Environmental Research Laboratory (GLERL) in Ann Arbor. Our team offers flexible work styles, such as flexible hours and/or flexible workplace (with approved agreements in place), however this position is not eligible for fully remote work.

Positions that are eligible for hybrid or mobile/remote work mode are at the discretion of the hiring department. Work agreements are reviewed annually at a minimum and are subject to change at any time, and for any reason, throughout the course of employment. Learn more about the work modes.

Additional Information

Salary will be determined based on experience.

Application Deadline

Job openings are posted for a minimum of seven calendar days. This job may be removed from posting boards and filled any time after the minimum posting period has ended. Applications will be reviewed as received throughout the posting period and continue until the position is filled.

U-M EEO/AA Statement

The University of Michigan is an equal opportunity/affirmative action employer.