

POSITION ANNOUNCEMENT

Position Title: HydroInformatics Internship

KU Title: Temporary -UPS

Application Review: Review begins March 28, 2022, and will continue until the position is filled.

Tentative Start Date: May 2, 2022, or as soon as possible. Exact start date is negotiable.

Salary and Employment Status: This position is funded for up to 300 hours at \$15/hr. The specific hours worked are flexible, with a goal of averaging at least 10 hours of work per week.

Position Overview:

We are looking for a paid intern experienced in the use of groundwater models to contribute to the development of a community open-source Groundwater Model Portal (GroMoPo). This intern would contribute to data rescue efforts focused on identifying existing groundwater models in the literature, populating the GroMoPo database with metadata about those models, and developing materials to help others share their own groundwater models.

This position is based at the Kansas Geological Survey, a research and service center within the University of Kansas. The intern will be part of the HydroEcology of Anthropogenic Landscapes group (HEAL@KGS) supervised by Sam Zipper (<https://www.samzipper.com>) and will work closely with collaborators at the University of Victoria, University of Arkansas, University of Utrecht, University of Potsdam, and other institutions.

Work Location: Remote or in-person work are acceptable. The intern must be located in and currently authorized to work in the U.S. without immigration sponsorship from the University of Kansas.

Responsibilities

- 80%: Aggregate data from existing groundwater models.
- 10%: Coordinate with project partners at other institutions.
- 10%: Develop instructional materials to encourage groundwater model sharing.

Position Requirements:

Remote or in-person work is acceptable. The intern must be located in and currently authorized to work in the U.S. without immigration sponsorship from the University of Kansas.

Required Qualifications:

1. Relevant undergraduate and/or graduate coursework in geology, civil and environmental engineering, environmental science, geography, or any other water-related discipline.
2. Experience working with a numerical groundwater (preferred) or surface water (acceptable) model.
3. Experiencing reading technical documents such as peer-reviewed literature and reports.
4. Ability to work independently and as part of a team.
5. Strong communication skills.

Preferred Qualifications:

1. Interest in open science practices.
2. Experience with programming in a language such as Python.
3. Experience using GitHub.

Application procedure:

Apply online at [link goes here]. Upload the following information:

- Cover letter (max 2 pages) detailing how you meet the required and preferred qualifications and why you are excited about the position.
- Current CV or resume highlighting relevant experience.
- Contact information for 3 references (email address and phone number).
- College and/or graduate school transcripts (unofficial copies acceptable).

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Contact Information:

For further technical information about the position, contact Sam Zipper at samzipper@ku.edu.

For further information about other aspects of the position, contact Annette Delaney at adelaney@ku.edu or (785) 864-2152.

About the Kansas Geological Survey: The Kansas Geological Survey (KGS) is a research and service division of the University of Kansas that investigates and provides information about the state's geologic and groundwater resources. The KGS has no regulatory authority and does not take positions on natural resource issues.

KGS scientists pursue research related to surface and subsurface geology, energy resources, groundwater, and environmental hazards. They develop innovative tools and techniques, monitor earthquakes and groundwater levels, investigate water-quality concerns, and map the state's surface geology. Their analyses, findings, and data are shared with the scientific community and general public through publications, online resources, and presentations. The KGS also houses thousands of oil and gas and water well records filed with the state over several decades as well as thousands of rock cores and cuttings brought to Earth's surface during oil and gas drilling.

The main headquarters of the KGS is in Lawrence on the west campus of the [University of Kansas](#), and the [KGS Well Sample Library](#) is in Wichita. Between the two locations, the KGS has a staff of approximately 115 employees, including 35 student employees. The KGS reports to the [Vice Chancellor for Research](#) at the University of Kansas and has a 12-member [advisory council](#) to provide review and guidance.

[More...](#)

LAWRENCE: A city of approximately 95,000, Lawrence is located on a rolling landscape 35 miles west of the major metropolitan area of Kansas City and 20 miles east of Topeka, the state capital. Home to [Haskell Indian Nations University](#) (<http://www.haskell.edu>) as well as KU, Lawrence offers the cultural and athletic events of a university setting. For more information on Lawrence, please visit the [Lawrence Convention and Visitors Bureau](#) (<http://www.visitlawrence.com>), the [Lawrence CyberVillage](#) (<http://www.ci.lawrence.ks.us>), or the [City of Lawrence](#) (<http://www.lawrenceks.org>) web pages.

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