



Open Position: Postdoctoral Research Associate

Overview

Center for Geospatial Analytics (CGA) at Clark University is a new entity established to catalyze synergistic research that uses geospatial analytics to address pressing issues of global environmental change, particularly climate change. Under the leadership of the inaugural director, Dr. Hamed Alemohammad, the new Center will play an entrepreneurial role at the forefront of this rapidly evolving field by expanding into a larger and more ambitious center of excellence building on the success of Clark Labs.

CGA is looking for a Postdoctoral Research Associate to work at the intersection of remote sensing and data analytics. The Postdoctoral Research Associate will be advised by Dr. Alemohammad and will work on problems related to 1) fusion of multi-spectral and synthetic aperture radar observations for land surface monitoring and 2) incorporating uncertainty from training datasets into machine learning models. The Postdoctoral Research Associate will also have the opportunity to contribute to a project related to development and evaluation of Foundation Models for multi-spectral satellite imagery.

As a Postdoctoral Research Associate, you will be expected to lead peer-reviewed publications and present your results at scientific meetings.

The position is full-time for a two-year period. Appointment is made annually and is contingent upon satisfactory performance. Applications for this position will be reviewed on a rolling basis until the position is filled. Expected starting date is Jan. 2nd, 2023.

Qualifications

- Ph.D. in Earth System Science, Environmental Science, Geography, Atmospheric Science, Data Science, Statistics, or a directly related discipline is required by the start of the appointment.
- Experienced in Python programming.
- Experienced in data analytics in Python.
- Strong verbal and written communication skills

Preferred Qualifications

- Knowledge and experience in machine learning.
- Knowledge of geospatial data and processes.
- Knowledge of remote sensing imagery.
- Experience in handling large datasets, and data visualization.

How to Apply

Send the following materials to Dr. Alemohammad at halemohammad@clarku.edu:

- A cover letter explaining your motivation for this position, your relevant background, and your broader research interests.
- A curriculum vitae.
- Name and contact details of three references.