



Center for Ocean–Atmospheric Prediction Studies
The Florida State University



Summary

The Center for Ocean-Atmospheric Prediction Studies at Florida State University seeks highly motivated Postdoctoral Researchers interested in Climate Change and the Prediction of Potential Invasive Pest Insects. This researcher will conduct novel research in Computational Science in an environment that fosters multi-disciplinary, collaborative research.

This position is a full-time, 1-year postdoctoral appointment with the possibility of renewal for up to 3 years based upon satisfactory job performance. Salary for Postdoctoral positions depends on years of experience post-degree.

Salary

\$48,000 - \$58,000

Location

Florida State University. Tallahassee, Florida, United States.

One of the nation's elite research universities, Florida State University preserves, expands, and disseminates knowledge in the sciences, technology, arts, humanities, and professions while embracing a philosophy of learning strongly rooted in the traditions of the liberal arts and critical thinking. Founded in 1851, Florida State University is the oldest continuous site of higher education in Florida. FSU is a tradition-based community that fosters research, encourages creativity, and embraces diversity. At FSU, there's the excitement of being part of a vibrant academic and professional community, surrounded by people whose ideas are shaping tomorrow's news!

COAPS is an equal opportunity/affirmative action employer. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected veteran status, age, or any other characteristic protected by law.

Requirements

- Ph.D. in Computational Science, Computer Science, or Applied Mathematics. Or a Ph.D. in Meteorology, Biology, Sustainable Agriculture, Environmental Economics, or a related Earth Science field with a strong programming background.
- Proficient in a programming language like Python, Julia or Matlab.
- Demonstrably effective communication and interpersonal skills.

- Ability to work productively both independently and as part of an interdisciplinary team, balancing objectives involving research and code development.

Desired:

- Previous research on Climate Change and habitat distribution.
- Experience working with bioclimatic data from the scenarios of the IPCC.
- Strong background in machine learning and data analysis with Python.
- Knowledge of geospatial analysis for numerical model data and satellite data.

Documents

- **CV showing relevant experience.** Your resume must include information about your education, your paid and nonpaid work experience related to this position, including job title, duration of employment (mm/yy-mm/yy), duties, and accomplishments.
- **Summary of doctoral dissertation and/or past research experience.**
- **Contact information of three references.**

Duties

As a Postdoctoral Researcher in Machine Learning/Computational Science, you will perform the following duties:

- Perform high-quality research in Climate Change and Prediction of Potential Invasive Pest Insects on the Specialty Crops in Florida and the Caribbean
- Publish the obtained results in refereed journals.
- Present new findings at national and international conferences.
- Prepare and submit proposals to government agencies like the Office of Naval Research, the National Science Foundation, the National Oceanic and Atmospheric Association, and the National Aeronautics and Space Administration to obtain external funding.

Specific research objectives are:

- Identify pathways, establishment, speed, and spread of potential invasive pest insects via machine learning.
- Predict the future distribution of invasive pest insects in the specialty food crops considering the primary climate change projections of the Intergovernmental Panel on Climate Change (IPCC).

Relocation expenses reimbursed

No

Appointment type

OPS/temporary job. One-year appointments with the possibility of renewal for up to three years based upon satisfactory job performance.

Work Schedule

Full-time

Benefits

A career with Florida State University provides employees with a comprehensive benefits package.

How to Apply

Applications will be accepted until the position is filled.

Please send your documents to Dr. Olmo Zavala Romero at ozavala@coaps.fsu.edu .