Tenured or Tenure-Track Assistant or Associate Professor Position
in
Artificial Intelligence and Microbiome Research
Department of Statistics
University of Georgia

The **University of Georgia** (UGA) is hiring a cluster of seven tenure-track or tenured faculty in Environmental Artificial Intelligence (AI) through a Presidential Faculty Hiring Initiative over two years with four positions that already started in Fall 2022, and three positions to start in August 2023. The faculty positions are distributed within Franklin College of Arts and Sciences in the Department of Geography, Department of Marine Sciences, Department of Statistics and the Department of Anthropology.

As part of the cluster hire, the Department of Statistics invites applications for a tenured or tenure-track faculty position at the rank of Assistant or Associate Professor in the broad area of artificial intelligence and microbiome research. The position starts on August 1, 2023 and is an academic year appointment (9 months) with an opportunity to supplement the salary during the summer.

The Environmental AI cluster will strengthen and expand UGA's position as a global leader in atmospheric, terrestrial, and oceanic processes across wide-ranging spatial and temporal scales. UGA is seeking to build on its existing core strengths in big data analyses and multi-scale modeling of earth and marine systems, paleoclimate, and human-environmental change and organizational complexity by developing innovative computational and statistical methodologies to advance understanding of ecosystem resilience and to support climate science and sustainability. This hiring cluster is aimed at 1) advancing machine learning capabilities in sensor networks and remotely sensed data; 2) simulating and evaluating environmental responses at multiple scales and to plan for resource management strategies; and 3) evaluating relationships between environmental forcing mechanisms and responses.

Collectively, these new faculty members will contribute to the understanding of ecosystem resiliency in the face of sea-level rise, increasingly extreme weather events, ocean warming and acidification, and how these climate patterns have changed through time. These are the most challenging and pressing research problems of our time with vast implications for decision- makers and the public for adapting to and mitigating environmental change. To facilitate interaction among these researchers, each faculty member will join the existing Environmental AI working group and be encouraged to collaborate with faculty in related research centers or institutes across campus. For more information on the cluster hiring initiative and all the currently open positions for this year, visit Environmental Artificial Intelligence.

Candidates with a demonstrated ability to establish a research program utilizing artificial intelligence and leveraging deep learning, machine learning, and statistical computing methods are of interest. In particular, we seek a candidate who can support the Environmental AI cluster with transformative research that can contribute to answering a variety of environmental and health-related questions, which includes analyzing microbial community and spatio-temporal data, knowledge extraction, disease predictions in human health, and environmental quality, among

others. Please see the requirements for Assistant and Associate Professors in the Unit Criteria for Promotion and Tenure for the Department of Statistics (pgs 8-12).

Applicants must have a Ph.D. degree in Statistics or a related discipline. The successful applicant at the Associate Professor level will be expected to have a strong collaborative research program with external funding and be engaged in the supervision of dissertation research. The successful applicant at the Assistant Professor level will be expected to develop a research program that will be competitive for external funding. Candidates are also expected to contribute to teaching courses in statistics and environmental AI at the undergraduate and graduate levels, be engaged in the activities of the department, and contribute to service to the department, university, and the profession.

Competitive applicants will have demonstrated interdisciplinary collaborations that cut across academic units on campus. Inclusiveness and diversity are academic imperatives and thus university goals, and the University is particularly interested in candidates with a history of experience working with students from diverse backgrounds and who have a demonstrated commitment to improving access to higher education for students from underrepresented groups.

Review of applications begins October 31, 2022 and continues until filled. All applications received by October 31, 2022 will receive full consideration. Applications should include: 1) cover letter, 2) curriculum vitae, 3) research statement highlighting interest in and contributions to Environmental AI research, 4) teaching statement, and 5) statement on commitment to diversity, equity and inclusion. Applicants should also provide names and contact information for at least 3 references using the online system.

Apply: https://www.ugajobsearch.com/postings/283152
Questions about the cluster: *Dr. T. N. Sriram (tn@uga.edu), Department Head of Statistics*
Questions about the position: *Search Committee Chair Dr. Lynne Seymour (seymour@uga.edu)*

The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu). Please do not contact the department or search committee with such requests. The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities and people with disabilities are encouraged to apply.

Georgia is well known for its quality of life in regard to both outdoor and urban activities (exploregeorgia.org). UGA is a land and sea grant institution located in Athens, 65 miles northeast of Atlanta, the state capital (www.visitathensga.com; www.uga.edu). UGA is currently ranked among the top 15 public universities in U.S. News & World Report, and typically ranks in the top 25 on national rankings of public research universities (https://www.uga.edu/about/facts). Athens, Georgia is frequently ranked as one of the best places to live in the US: https://www.visitathensga.com/media/rankings-press-coverages/