



Graduate Assistantship in GIScience at University of South Florida

The Laboratory of Computational Spatial Science for Sustainability ([COMPASS Lab](#)) at University of South Florida is seeking a Ph.D. or Master student interested in GIScience and spatial data science to begin in the fall semester 2022. The student(s) will join an interdisciplinary team with researchers from multiple institutions to conduct research in one of the following topics: (1) developing new data models, modeling frameworks and analytical tools for multi-scale spatio-temporal data and processes; (2) developing data-driven methods to model response, recovery, and resilience of human communities and infrastructures in natural disasters; (3) detecting population migration and demographic changes driven by natural hazards and climate change. Through the projects, the graduate student will develop skills in big geospatial data analytics, machine learning/deep learning, geocomputation, dynamic modeling, and scientific communication. The successful applicant will be offered a graduate assistantship (four years for Ph.D. and two years for Master) with a competitive package including monthly stipend, tuition waiver, health insurance, computer and travel fund.

Applicants should hold a bachelor's or master's degree in geography, GIS, computer science, environmental science, urban planning, or a related discipline. Preference will be given to applicants with experience in spatial analysis, statistical modeling, programming (e.g., Python or R), and excellent written and verbal communication skills.

A complete application for graduate programs ([MA in Geography or PhD in Geography, Environmental Science & Policy](#)) at the School of Geosciences is required for full consideration. The application deadline is **February 15, 2022**. GRE is not required for the application.

Before a formal application, students interested in the position are encouraged to contact Dr. Yi Qiang (qiangy@usf.edu) with a cover letter, CV, and writing samples if available.

School of Geosciences

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<http://hennarot.forest.usf.edu/main/depts/geosci/>