



Dear colleagues,

The GISense Lab (<https://sites.utexas.edu/gisense/>) at the [University of Texas at Austin](https://www.utexas.edu) invites applications for a Postdoctoral Researcher in Human-centered Geospatial Artificial Intelligence (GeoAI) and Geospatial Data Science. The successful candidate will work with Prof. Yuhao Kang (<https://liberalarts.utexas.edu/geography/faculty/yk9999#biography>) on cutting-edge research that integrates GeoAI, generative AI, and multi-source spatiotemporal big data to understand and model the human-environment relationships, with potential applications in environmental psychology, urban planning, and public/maternal health.

Responsibilities

- Develop advanced GeoAI methods (generative AI, vision-language models, diffusion models, multimodal AI, world models, and computer vision) and apply them to geospatial research problems.
- Conduct human-centered geospatial data science research using multi-source spatiotemporal big data, such as street view imagery, soundscape data, and human behavioral data (e.g., EEG, eye-tracking, and fMRI).
- Publish research findings in peer-reviewed journals or at leading CS/AI conferences.
- Contribute to grant proposal development and mentor graduate students in the lab.
- Collaborate within an interdisciplinary and international research team.

Qualifications

- Ph.D. (completed or near completion) in GIScience, Computer Science, Information Science, Data Science, Urban Planning, or a related field.
- Demonstrated record of high-quality publications in peer-reviewed GIScience or Urban Studies journals, or at leading CS conferences (e.g., CVPR, NeurIPS, ICML, ICLR, ACL, ACM SIGSPATIAL).
- Strong AI skills and experience in GeoAI, and/or spatial data analysis.
- Excellent written and oral communication skills in English.
- Strong motivation, work ethic, and the ability to collaborate in an interdisciplinary team.

Terms of Appointment

This position is initially funded for one year from the date of hire, with the possibility of renewal based on performance and funding availability. A competitive salary and benefits will be provided. The start date is flexible, with a target start date of Fall 2026.

Application

To apply, please submit the following materials to gisenselab@outlook.com: (1) Cover letter describing research experience, qualifications, research interests, and future research directions (up to three pages); (2) Curriculum vitae; (3) 2–3 representative publications; (4) Contact information for three references.

Review of applications will begin July 1st and continue until the position is filled. For questions, please contact Prof. Yuhao Kang at gisenselab@outlook.com.