

Ph.D. Research Assistantship

Dr. Yi Qi's lab (www.qispatial.com) at the University of Nebraska Lincoln (UNL) is seeking 1-2 motivated Ph.D. students to conduct interdisciplinary research on spatial science and natural resources. Dr. Qi's lab is interested in environmental applications of geospatial technology and data, which address impacts of climate and land use changes, environmental sustainability and ecosystem services. Current research is focused on cross-scale (from the field to the space) characterizing and modeling ecosystem processes and structure, especially vegetation functional traits, plant diversity and ecosystem production by using remote sensing (e.g. imaging spectroscopy), GIS, and spatial data science.

We are especially looking for students with backgrounds or interests in the following topics:

- Remote sensing instrumentation and data analysis at field, airborne and satellite scales;
- Ecology and plant-environment interaction
- Geographic information systems and spatial data analysis

Successful applicants will have access to state-of-the-art facilities in Center for Advanced Land Management Information Technologies including (e.g. ground, airplane and drone-based remote sensing instruments, flux tower, computing clusters), with opportunities to collaborate multidisciplinary scientists in School of Natural Resources and other units at UNL.

Salary

12 month/per stipends with health insurance and tuition waiver (student is responsible for fees). Funding is available for three years with potential continuous funding, subject to performance.

Start Date

Summer or Fall 2020 (classes begin Aug 24, 2020)

Qualifications

M.S. in natural resources, ecology, geography, or closely related field. Specialization or coursework in Remote Sensing/GIS is required. Previous programming and quantitative analysis background are very helpful.

To Apply

Applicants must create a single document (e.g., a Word or pdf document) and the name of the file must contain the applicant's first and last name. Application document must include:

1. A cover letter that articulates their interest pursuing an advanced degree
2. Curriculum Vitae or Resume
3. Unofficial transcripts
4. Unofficial general GRE scores, and TOEFL/IELTS scores (international students only)
5. List of three references and their email addresses

Send file to Dr. Yi Qi, yi.qi@unl.edu. Applications will be screened as they are received. **Formal application to UNL, including official transcripts, GRE, and recommendations, is required subsequent to selection of the successful candidate.** For information about the School of Natural Resources, visit: <https://snr.unl.edu>. Contact Dr. Yi Qi (yi.qi@unl.edu) with general questions about the assistantship.

The University of Nebraska is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See <https://www.unl.edu/equity/notice-nondiscrimination>