LAND IQ

Land IQ is seeking a Geospatial Analyst in its Sacramento, California office. The successful candidate will be responsible for working with our team comprised of remote sensing/GIS experts, developers, and a range of agronomic, environmental and ecosystem disciplines. Applicants must have strong fundamentals in developing high quality geospatial solutions and analysis, including desktop and web applications focused around the ESRI suite of software. The Geospatial Analyst will be expected to develop and edit geospatial data, conduct spatial analysis, develop/document geospatial data and processes, develop/review geospatial or tabular data to meet Land IQ data standards, build web applications in Experience Builder, and work as part of the team that mentors interns. This position requires significant hands-on experience with the ESRI GIS software including ArcGIS Pro and ArcGIS Online. A strong knowledge of GIS concepts, spatial data management, IT, networking, and systems design and management is required. The applicant must also have excellent communication skills, and a demonstrated ability to manage multiple tasks and perform work on-time and within budget resources. General knowledge of the natural resource/earth science field is a plus.

In Office Position Location: Sacramento, CA

Hiring Timeframe: Immediate

Employment Type: Full time, including benefits

Salary: $75,000 - $90,000 depending on experience

Primary Responsibilities:

➢ Work in a team environment on a wide range of projects, supporting our team of scientists, remote sensing analysts, and other science-based disciplines.

➢ Develop unique spatial solutions to address a wide range of complex agriculture and environmental challenges.

➢ Utilize knowledge of hardware, software and application life cycles to deliver high quality products, tools and software enhancements in accordance with best practices. Be organized and methodical with communication and documentation capabilities.

➢ Develop and refine existing applications, geospatial analysis protocols, and spatial and statistical modeling applications to help solve complex environmental and agricultural resource problems.

➢ Applicant must have the ability to make analysis protocols actionable through scripting and/or other programming capabilities.

➢ After initial establishment in role, assist in the training of new interns, including the development and maintenance of training materials.

Required Qualifications:

Education: B.S. or M.S./M.A. in Geographic Information Systems, Management Information Systems, Geography, or related field.

Years of Experience: 2-5 (preferably in industry)

Required Technical Capabilities:

➢ Extensive knowledge of ESRI's software (ArcGIS Pro, ArcGIS Online, and Experience Builder)

➢ Experience managing GIS data workflows, data collection, and automation

➢ Experience with multiuser GIS systems, databases, and environments

- ➢ Proficient in Python with knowledge in packages such as ArcPy, GeoPandas, Pandas, Shapely, and Pyproj
- ➢ Ability to modify, write and maintain scripts, routines and menus for programming GIS processes and applications
- ➢ Experience with standard and advanced spatial analysis tasks/geoprocessing
- ➢ Experience with raster imagery products and basic raster analysis
- ➢ Experience designing meaningful maps and supporting the development of web applications via ArcGIS Online – Experience Builder
- ➢ Conduct database design, management and QA QC, including methods of managing data privacy
- ➢ Prepare a variety of maps, illustrations and other graphic presentations depending on project/client needs
- ➢ Ability to answer questions and guide entry-level staff through basic tasks

Preferred Additional Qualifications:

- ➢ Applied GIS experience within natural science/engineering fields
- ➢ Spatial/statistical modeling and statistics knowledge
- ➢ Experience leading small meetings and working groups
- ➢ Knowledge of agronomic practices
- ➢ Proficient in relational database environments including SQL Server, MS Access, PostgreSQL
- ➢ Understanding of remote sensing analysis

Professional Approach:

Positive/enthusiastic attitude, passionate about professional pursuits, strong organizational, communication and writing skills, personable, ability and desire to learn, and attention to detail, strong moral and ethical personal standards. Enthusiastic about guiding and mentoring team members to reach team and organizational goals. Team player.

Contact

Please send resume, cover letter, and work samples to careers@landiq.com. Also visit our website for more information at www.landiq.com.

Land IQ specializes in providing solutions to challenging agricultural and environmental problems throughout the western United States. Our areas of expertise include soil science, water quality and supply evaluation, agricultural systems, ecosystem restoration, land cover analysis, salinity and nutrient management, statistics, remote sensing, geospatial analysis, and regulatory policy. Land IQ helps clients develop high value, scientifically sound, proactive solutions to their complex, large-scale, land-based challenges.

We offer highly competitive compensation, a complete benefits package, 401K, and funded training and development opportunities. Our Sacramento office is centrally located in northern California in a thriving region of culture and arts and in close proximity to a full range of recreational activities associated with the Sierra Nevada and Coastal mountains, scenic rivers, Pacific Coast, and California foothills.