



## Job Posting | **GIS Analyst**

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Land IQ is seeking a Geospatial/GIS 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, and mentor 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:** \$74,000 - \$88,000 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, lead 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, Computer Science, Management Information Systems, Geography, or related field.

**Years of Experience:** 1-5

### **Required Technical Capabilities:**

- Strong knowledge of ESRI's desktop software (ArcGIS Pro and ArcMap)
- Experience managing GIS data workflows and data collection methods
- Experience with multiuser GIS systems, databases, and environments

- Proficient in Python with knowledge in packages such as ArcPy, GeoPandas, Pandas, and Rasterio
- 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 and management, 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
- Experience leading small meetings and working groups
- Understanding of remote sensing analysis
- Knowledge of agronomic practices
- Proficient in relational database environments including SQL Server, MS Access, PostgreSQL
- Spatial/statistical modeling and statistics knowledge

**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 to [dhansen@landiq.com](mailto:dhansen@landiq.com). Also visit our website for more information at [www.landiq.com](http://www.landiq.com).

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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.