



Job Posting | **Geospatial Programmer/Analyst**

Land IQ, LLC is seeking a Geospatial Programmer/Analyst in its Sacramento, California office with a specialization in geospatial programming and data driven analytics in Python for agricultural and other land use applications.

The successful candidate will be responsible for working with our growing geospatial team comprised of remote sensing/GIS experts and a range of agronomic, environmental, and other land-based science disciplines. Applicants must have strong analytical and GIS skills and an exceptionally strong understanding of Python programming. This is an environmental consulting position requiring ability to develop analysis approaches/methodology and work within a team to optimize methods. The applicant must have good communication skills, readily work in a team environment, demonstrate the ability to manage multiple tasks and perform work on time and within budget resources.

Land IQ specializes in providing solutions to challenging agricultural and environmental problems throughout the western United States. Our areas of expertise include remote sensing, geospatial analysis, GIS, soil science, water quality and demand evaluation, agricultural systems, salinity and nutrient management, ecosystem restoration, statistics, and regulatory policy.

Office Locations: Sacramento, CA
Hiring Timeframe: Immediate
Employment Type: Full time, including benefits

Primary Responsibilities:

- Work in a team environment on a wide range of projects, supporting our team of scientists, remote sensing analysts, and GIS analysts
- Organized and methodical with communications and work documentation
- Understand geospatial challenges and conceptualize and articulate analysis approach ideas within a multi-disciplinary team
- Develop and perform raster and vector-based image processing and analysis

Required Qualifications:

- **Education:** BS/MS GIS/Data Science field (advanced degree preferred), Research Experience Preferred.
- **Experience:** 1-5 years of experience in at least one of the following areas:
 - Geospatial programming in Python
 - Developing data processing pipelines
 - Spatial statistics

Required Technical Capabilities:

- Strong programming skills with Python, specifically packages like NumPy, SciPy, Geopandas, Matplotlib, Scikit-Learn
- Proficient at advanced spatial analysis and geoprocessing (e.g., raster and vector processing).
- Strong understanding of spatial statistics.
- Familiar with machine learning algorithms such as Generalized Linear Model, Random Forest, CART, and/or deep learning.

Professional Approach

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

Contact

Please send resume/cover letter to cgudel@landiq.com. Also visit our website for more information at www.landiq.com.



Land IQ is a multidisciplinary environmental consulting firm that emphasizes a solution-oriented approach for a broad range of clients and geographies. 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.
