LAND IQ

Job Posting | *GIS Developer Intern*

Land IQ, LLC is seeking a GIS Developer Intern in its Sacramento, California office for a minimum of a 3-month internship. This position is expected to be part to full time (24 to 40 hours per week) depending on successful candidate availability.

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

The successful Intern candidate will be responsible for working with our development team, in addition to our growing geospatial and land-based sciences team comprised of remote sensing/GIS experts and a range of agronomic, environmental, and science disciplines. Applicants must have strong programming skills including some basic exposure to GIS. Land IQ will work collaboratively with this individual to train them on needed work elements.

This is a web development position requiring the ability to develop and design web applications for a variety of clients and purposes. The applicant must have strong communication skills, readily work in a team environment, and use efficient work approaches. The position will concentrate on web development, with the successful applicant needing to demonstrate basic GIS skills as well. Some occasional multi-day travel within the state of California could be required.

Office Locations: Sacramento, CA

Hiring Timeframe: Immediate

Employment Type: Part to Full Time (full time preferred). This is a paid, hourly internship.

Primary Responsibilities:

➢ Work in a team environment on a wide range of projects, supporting our team of developers

➢ Utilize knowledge of hardware, software, and application life cycles to deliver high quality products, tools and software enhancements in accordance with best practices

➢ Basic understanding of geospatial challenges and analysis. 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.

➢ Excellent written and oral communication skills, responsive, collaborative, and the ability to take direction

➢ Ability to travel and remain away from home for up to 1 week on occasion

Required Qualifications:

➢ **Education:** Near completion of BS/MS degree in Computer Science, Geographic Information Systems or completion of an accredited Web Development training program

➢ **Experience:** 0-2 years

Required Qualifications:

➢ Experience with HTML, CSS, JavaScript, Node.js, and Python

➢ Proficient in both SQL and NoSQL database management

➢ Experience with ArcGIS Pro and ArcGIS Online

➢ Experience in GIS data editing, GIS map production, spatial database management, and basic spatial analysis/reporting

Preferred Additional Qualifications:

➢ Experience with Angular (or similar JavaScript framework)

➢ Experience with cloud platforms and application deployment using Amazon Web Services

➢ ArcGIS Enterprise infrastructure including ArcGIS Server, Portal for ArcGIS, and ArcGIS Data Store

➢ Create, modify, and maintain custom scripts and routines for GIS processes automation and applications using ArcGIS API for Python and ArcPy.

➢ Experience with a JavaScript mapping API such as ArcGIS JavaScript API or Leaflet.

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 dcornell@landiq.com. Also visit our website for more information at www.landiq.com.

LAND IQ

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