MID-LEVEL GIS ANALYST – MELBOURNE OR ORLANDO

Applied Ecology, Inc., a small environmental consulting business with a rapidly expanding footprint, is seeking a highly motivated and energetic GIS Analyst with proven experience to join our growing team. AEI has three offices located in Florida and is a regional leader in geospatial services, water resources, ecological and natural resources, and environmental remediation and contamination services. We are an ESRI Silver Business Partner, providing our employees with access to the newest tools and platforms, as we and an abundance of training and certification opportunities.

As a small business, we are involved in diverse yet challenging environmental projects, providing a great setting for a motivated individual to lead diverse projects and a growing team of scientists and analysts.

Candidates should have a minimum of 4 years of progressive experience. This position is responsible for coordinating and performing work related to any geospatial project, including managing the workload, scheduling additional field or office support, and monitoring the quality of work products. The ideal candidate should have advanced geospatial analyses skills, including expertise in topology, geodatabase design and implementation, web mapping, AGOL, and python scripting. Preference provided to those that can plan efficient project execution, define GIS requirements, and proposes potential innovative and creative technologic solutions.

Interested applicants, please **submit a cover letter and resume via the posting on our website (**Mid-Level GIS Analyst | Applied Ecology Inc**) addressed to William Paton, Vice-President.**

POSITION DESCRIPTION: RESPONSIBILITIES & DUTIES

- Serves as a working task manager for high-level and complex projects related to geospatial projects or GIS support tasks for water resources, ecological, or environmental remediation services.
- Manages processes and works with appropriate internal staff to identify and coordinate new GIS system developments and/or enhancements.
- Performs complex statistical data analysis using ArcGIS and related extensions/add-ons, relational databases, and other computer software (MS Access, SQL, R, CAD, statistical software, etc.); understands and applies the capabilities of GIS, databases, and other computer programs to solve,

present, and display complex spatial and relational data/problems; prepares documents, data reports, and maps.

- Implements geoprocessing tools in batch, including leveraging Python for toolset development.
- Serves as a key contact for assessment of GIS projects and programs; develops and reviews grants, applications, and scopes of work for GIS-related elements and projects.
- Provides recommendations for project personnel, hardware, software, data, budget, and scheduling; reviews and assesses technical work of junior staff involved in GIS-related projects or programs.
- Reviews and quality assures project deliverables, which include monthly, quarterly reports, geodatabases, web applications, user guides, and other technical submittals.
- Develops interactive web-based tools that can be accessed by internal and external clients for their mapping needs. Ensures that accurate and complete metadata are developed for all data sets created by GIS staff and that metadata is distributed with data when requested by outside agencies and entities.
- Performs other duties as may be required or assigned.

MINIMUM REQUIRED QUALIFICATIONS

- Bachelor's degree from a regionally or nationally accredited institution in Geography, GIS, Urban Planning, Environmental Science, Computer Science, or a closely related field.
- Minimum of four years of experience using ESRI suite of GIS software including ArcGIS Desktop, ArcGIS Pro and related extensions, ArcGIS Enterprise, and relational databases.
- Minimum of two years using Python or R scripting
- Candidate must have solid technical writing skills and effective communication skills.
- Candidate must be accountable for their productivity and actions.
- Candidate must be a critical thinker and problem solver

DESIRED QUALIFICATIONS

- GIS Professional Certificate (GISP)
- Graduate degree in related fields
- GIS experience in water resource management, ecological applications, water utilities infrastructure
- Experience with spatial data management, spatial analysis technologies, process design and modeling, server and web GIS technologies.
- Experience with image analysis, remote sensing
- Experience in water resources modeling (groundwater, hydraulic, hydrodynamic, etc.)
- Experience in project management and/or supervisory role
- Remote Pilot Certificate and UAV experience

Knowledge, Skills, and Abilities (KSAs)

- Expert level knowledge of the ESRI suite of GIS products, including ArcGIS Desktop, ArcGIS Pro, ArcGIS Server, and ArcGIS Online, Python, Model Builder, and ArcGIS Enterprise. Familiarity with a variety of the field's concepts, practices, and procedures, and other mapping solutions or current equivalent.
- Proficiency with Microsoft Office Suite including Microsoft Access database development.
- Ability to analyze processes and develop/implement programs and applications.
- Ability to organize work, establish priorities, meet deadlines, and follow up on assignments with minimum direction.
- Ability to review reports created by team staff and follow through to completed product.
- Ability to research and interpret codes, regulations, standards, legal descriptions, and various governmental documents.
- Must be detail-oriented and take pride in delivering high-quality work.
- Skilled in the conversion of spatial data into digitized formats utilizing current GIS technologies.
- Skilled in researching, compiling, summarizing, and interpreting data and information materials.
- Ability to exhibit a professional, courteous demeanor.
- Ability to work in a diverse environment and as a team player.
- Excellent communication and interpersonal skills, including the ability to establish and maintain positive working relationships with those encountered in the course of work using principles of excellent customer service.

Applied Ecology, Inc. is an Equal Opportunity Employer. Our firm is committed through responsible management policies to recruit, hire, promote, train, transfer, compensate, and administer all other personnel actions without regard to race, color, ethnicity, national origin, age, religion, disability, marital status, gender, sexual orientation, gender identity or expression, genetic information, status as a protected veteran and any other factor prohibited under applicable federal, state, and local civil rights laws, rules, and regulations.