



Arkansas Game and Fish Commission Employment Job Posting

AGFC GIS ANALYST - **AGFC GIS ANALYST**

POSITION NO: 22159196

POSTING INFORMATION:

Advertisement Opens: March 21, 2022

Advertisement Closes: July 18, 2022

Full Time: Yes

Salary: \$69,306.00 - \$95,269.00 Annually

POSTING REQUIREMENTS:

Minimum Education and/or Experience:

The formal education equivalent of a bachelor's degree in mathematics, information technology or related field; plus two years of geographic information data collection and compilation experience.

OTHER JOB RELATED EDUCATION AND/OR EXPERIENCE MAY BE SUBSTITUTED FOR ALL OR PART OF THESE BASIC REQUIREMENTS, EXCEPT FOR CERTIFICATION OR LICENSURE REQUIREMENTS, UPON APPROVAL OF THE HUMAN RESOURCES CHIEF.

Preferred Education and/or Experience:

Bachelor's Degree in Data Science, Computer Science, Computer Information Systems, Information Technology, GIS or related field, or equivalent experience is required. Minimum of two (2) to five (5) years of progressive, relevant GIS and information technology experience. Significant experience with ESRI enterprise geodatabases, especially SQL Server or PostgreSQL, and experience with feature class versioning, data model convergence, SQL spatial data type, and SQL spatial methods

Knowledge, Abilities, and Skills:

- Knowledge of principles and methods for describing the features of land, sea, and air masses, including their physical characteristics, locations, interrelationships, and distribution of plant, animal, and human life
- Knowledge of design techniques, tools, and principles involved in the production of precision technical plans, blueprints, drawings, and models
- Knowledge of global positioning technology, graphics, and photo imaging software
- Ability to analyze information and evaluate results to choose the best solution and solve problems
- Ability to read and interpret maps, charts, aerial photographs, and statistics

Preferred Knowledge, Abilities, and Skills:

Possess mid-level GIS technical knowledge and skills, including enterprise geodatabase design, spatial relationships, scripting (Python), and cartography. Proficient with desktop GIS software (ArcMap, ArcPro, QGIS) Hands-on experience with GIS data, GIS data processing, and scripting. Ability to write SQL statements to query and analyze data. Possess high attention to detail, ensuring that data quality and information is consistently maintained. Demonstrated ability to prioritize and manage a diverse workload and work under time constraints with minimal supervision. Strong oral and written communication skills, proficient in communicating technical topics to non-technical audiences. Familiar with conservation, forestry, infrastructure, real estate, and land title concepts and datasets. AGOL Application Development with web maps, story maps, dashboards, experience builder and other AGOL applications. Experience working in versioned GDB Environment. Experience managing small to large scoped projects. Data visualization experience. Experience analyzing and processing remote sensed data like Lidar and Aerial Imagery. Demonstrate excellent collaboration skills while working together with others across GIS and other agency divisions. Proficiency working in all applications of G Suite, MS Office, Adobe and ESRI products and platforms.

POSTING DETAILS:

Position Location:

City: Little Rock

Office: Little Rock Central Office

Division: G.I.S.

Job Summary:

The AGFC Geographic Information System (GIS) Analyst is responsible for collecting, analyzing and interpreting geographic information utilizing geodetic surveys, aerial photographs, and satellite data. This position is governed by state and federal laws and agency policy.

Typical Functions:

- Identifies, scales, and orients geodetic points, elevations, and other topographic features, applying standard mathematical formulas
- Collects information about specific features of the earth using aerial photography and other digital remote-sensing techniques
- Compiles data and utilizes databases required for map preparation, including aerial photographs, survey notes, records, reports, and original maps
- Determines map content, layout, and production specifications, such as scale, size, projection, colors, and direct production to ensure that specifications are followed
- Examines and analyzes data from ground surveys, reports, aerial photographs, and satellite images to prepare topographic maps, aerial-photograph mosaics, and related charts
- Performs other duties as assigned

Specific Duties and Responsibilities:

Assisting with development and maintenance of spatial datasets. Collaborating with teams to advance integrating GIS technology into workflows throughout the agency and identify new methods for using GIS to improve business processes and productivity using ArcGIS Online Applications and desktop GIS platforms like QGIS, ArcMap and ArcGIS Pro. Researching and developing location based analyses, models and solutions to address business problems and answer questions. Assisting with the maintenance of AGFC's spatial enterprise hardware and software systems components. This can involve the maintenance of hardware and software such as ArcGIS Server, as well as deploying and maintaining the agency's spatial enterprise geodatabase (SQL Server and PostgreSQL) both on virtual machines as well as cloud services such as Amazon AWS. Perform a variety of GIS tasks related to automation and scheduled tasks using Python, R, and SQL. Providing occasional cartographic services to all AGFC divisions through production of visually compelling applications or maps for print, presentation, and web use. Occasional data engineering tasks such as data enrichment in support of agency marketing and customer analysis.

Certificates, Licenses, or Registrations:

N/A

Special Job Dimensions:

This position may require occasional travel (up to 40%). The working title for this position will be GIS Analyst and will be supervised by the AGFC GIS Lead. The work associated with this position may be performed in a hybrid capacity: partial telework, or partial work in our Little Rock Headquarters or regional office.

Other Specific Information:

All applicants are subject to a criminal background check.

As an equal opportunity employer, the Commission will make any reasonable accommodations necessary to ensure equal employment opportunities.