

POSITION DESCRIPTION: SENIOR GIS ANALYST

Position Title: Senior GIS Analyst
Position Type: Full-time position
Photo Science Office Assignment: St. Petersburg, Florida
Photo Science Point of Contact: Rob Hudson, rhudson@photoscience.com

Description of Position:

Full-time Senior GIS Analyst working onsite at MacDill Air Force Base in support of the MacDill Air Force Base Information Management/Information Technology Services (IMIT) contract.

Primary focus is to work with ESRI's ArcGIS desktop to produce datasets, models (through ModelBuilder), map products, and summary statistics. Ability to perform spatial analysis using ESRI's ArcToolbox is required. Ability to perform data automation, desktop customization, and minimal tool development using Python scripting and related technologies is desirable. A minimum level of geodatabase administration using ArcSDE is required. A minimum level of ArcIMS administration and scripting for HTML viewer applications is required.

Must be able to interact with Civil Engineering information technology (IT) staff and assist with routine IT tasks when required.

Must be able to act in the capacity of a business analyst to collect requirements from end-users and recommend technical courses of action to the MacDill IMIT Quality Assurance Evaluators (QAE).

This position requires a high degree of knowledge of GIS technology, geospatial concepts, and the ability to work with geospatial datasets.

The successful candidate will be able to work on technical teams of two to four to resolve IT and GIS issues for the Civil Engineering (CE) Squadron at MacDill Air Force Base. The successful candidate must also be able to work independently to produce geospatial products in support of CE end-users, CE leadership, and at the direction of the MacDill IMIT QAEs.

Knowledge:

1. Geospatial data manipulation, analysis, and cartography.
2. Working knowledge of spatial data types; to include, but not limited to: projections and coordinate systems, datums, geometry, attribution, and metadata.
3. Use and management of geodatabases.

Skills:

1. ESRI ArcGIS desktop; to include, but not limited to: ArcToolBox, ModelBuilder, and related analytical toolsets.
2. Scripting in an ESRI ArcGIS Desktop and ArcIMS environment.
3. Geodatabase administration using ArcSDE.
4. Requirements gathering, definition, and scoping/estimating.

Abilities:

1. Be detail oriented and poses a professional attitude.
2. Must possess excellent oral and written communication, technical, and organizational skills.
3. Must be able to work both on small technical teams and independently based upon the requirements of the work activity.
4. Must be able to recommend technical alternatives and perform the technical aspects of those alternatives when given direction by Photo Science or MacDill Air Force Base management.

Qualifications:

College degree in a science, engineering, or relevant field and 3 - 5 years of work experience in GIS; or any combination of education and experience which provides the applicant with the knowledge, skills and abilities required to perform the job.
