

Position Description

GIS Specialist / Data Analyst

Background:

The Department of State, Bureau of Overseas Buildings Operations, Directorate of Project Development, Coordination and Support (DOS/OBO/PDCS) is responsible for the design, coordination, and management of OBO's construction and renovation programs. OBO develops, operates and maintains a portfolio of 291 U.S. Embassies and Consulates in 200 foreign countries valued at \$700B USD.

The Office of Design and Engineering (OBO/PDCS/DE) provides expertise in architecture; landscape architecture; space programming; space planning; interior design; graphic design; sustainability; civil, structural, blast, geotechnical, electrical, and mechanical engineering; telecommunications; and security. DE directs design coordination of OBO's building program, managing designs from planning through construction.

Climate adaptation as a function is performed within the Division of Civil and Structural Engineering (OBO/PDCS/DE/CSE) by the Bureau's Climate Security & Resilience (CS&R) Program. The CS&R program feeds data driven strategies throughout each project's life cycle and to U.S. Embassy operations in general, to inform greater resilience to natural hazards.

Job Description:

The GIS Specialist / Data Analyst supports the CS&R Program's Natural Hazards Data Lead and oversees the design, development, and implementation of data driven analytics for the program. The position may use a variety of data visualization tools including, but not limited to, ArcGIS, Excel, Power BI, and Tableau to provide high-quality, user-friendly visualizations and applications that help the CS&R program analyze and communicate natural hazards and site vulnerability data.

Core Qualifications:

- A self-starter willing to take creative risks and work as the GIS/Data point of contact on complicated projects
- Proficiency in the Esri ArcGIS suite of applications, especially ArcGIS Pro and Esri Online. Experience working with apps including ArcGIS Portal, Dashboards, Experience Builder, Story Maps, Insights, and ModelBuilder is preferred.
- Experience developing scripts in SQL, Python, and JavaScript to automate workflow and improve productivity of GIS tools. Familiarity with ArcGIS Arcade is a plus.
- Familiarity with Power BI, Tableau, SharePoint and other analytics and visualization programs, plugins, and APIs and interest in their intersection with GIS mapping to build more comprehensive analysis tools.
- Working knowledge of a variety of geospatial data types and formats including, but not limited to, NetCDF, GeoTIFF, KML, KMZ, shapefile, raster, file geodatabase, digital elevation model (DEM), and LiDAR.
- Ability to receive geospatial deliverables and process/convert formats for use in internal maps and Dashboards (e.g., extraction of data from a NetCDF to create a raster layer).
- Familiarity with digitizing and geo-referencing paper or pdf/image file maps into GIS-compatible shapefiles.
- Merge multiple shapefile layers into a single layer with consistent symbology.
- Perform a variety of statistical and spatial analyses on geospatial data, and visualize analytics through interactive tables, charts, and graphs.
- Awareness of latest developments and capabilities in GIS software tools.
- Organization skills to maintain accurate, up-to-date documentation for all GIS processes.

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Other Requirements:

- This is a Third Party Contract (TPC) position.
- Must be a U.S. citizen.
- Bachelor's Degree in a related field prior to the start of work.
- This position requires a Secret security clearance, which can be obtained after tentative selection.
- Travel is anticipated on an infrequent basis.
- The work is mostly sedentary.

Work Location:

- The work will take place in the following Department of State location:
U. S. Department of State
OBO/PDCS/DE, SA-6
1701 N. Fort Myer Drive
Arlington, VA 22209
- Telework would be considered. Telework is an alternate work arrangement that gives contractor employees the opportunity to conduct all or some of their work away from the primary workplace.