

Position Description

Operations Department

GIS Analyst

Reports to: Director of Operations Technology Hours/Week: 35 FLSA: Non-Exempt

Hudson River Park Trust (the "Trust") seeks a part time GIS Analyst who will support the continued buildout of the Trusts' Computerized Maintenance Management System (Cartegraph) and dynamic interactive reporting dashboards. As a member of the Management Systems Department, the GIS Analyst is responsible for working across teams to supporting and enhancing the Trusts' GIS platform, analyzing data, and producing reports, maps, and plans.

Background:

The Trust is a public benefit corporation created by act of the New York State Legislature and a 501(c)(3) charitable organization. The mission of the Trust is to design, construct and maintain a prominent, and very heavily used, 4-mile-long waterfront park on the west side of Manhattan. The Park includes landscaped public piers and display gardens, lawn areas, ecological planting zones, athletic fields, esplanades, docks, public sculptures, and other special features. The Trust covers its annual operating budget through parking revenue, rents from commercial facilities, permits, fees, grants, donations generated by a "Friends" organization and other private sources. Approximately 75% of the Park has been constructed with a mix of State, City and Federal capital funding. Total investment in all facilities within the Park currently stands at approximately \$540 million.

Responsibilities/Duties:

The GIS Analyst's responsibilities include, but are not limited to, the following:

- Research, analyze, explore, extract, scrub, convert, and work with spatial and non-spatial data for use in specific projects or general base mapping across multiple projects
- Capture GIS data in different formats using GPS, electronic data recorders, digitizers, and other means
- Design maps and visualizations and automate geographic analysis
- Conduct research and spatial analyses. Organize data visualizations, presentation materials, and reports in support of the Trust's operational, educational, entertainment, maintenance and construction programs.
- Provide technical and planning assistance to support efforts such as resiliency initiatives and emergency management, through data management and collection.

- Use Python scripts to retrieve data sources for production and updating of authoritative data in an enterprise geodatabase.
- Input, update and maintain GIS databases, including backups and also maintaining linkages to other databases including Cartegraph CMMS.
- Identify, analyze and solve system problems
- Document processes and workflows to help convey information to users of different levels of expertise.
- Conduct data analysis as needed

Required Education and Experience:

- Master's Degree in GIS, Geography, Cartography, Planning, Engineering, Computer Science or a bachelor's degree in GIS and one year of relevant work experience
- Must have a solid understanding of the principles and practices of GIS and cartography
- Experience with ArcGIS including: ArcGIS GIS Server Advanced, Desktop Advanced, Esri CityEngine Advanced, Geostatistical Analyst Desktop, Image Server, Data Interoperability for Desktop, Workflow Manager, Workflow Manager for Server, Network Analyst for Desktop, Publisher for Desktop, Data Reviewer for Desktop, Monitor, Schematics for Desktop, GeoAnalytics Server, GeoEvent Server, Spatial Analyst for Desktop, 3D Analyst for Desktop, Tracking Analyst for Desktop, and Indoors.
- Ability to read and interpret data from maps, engineering drawings, blueprints, gauges and graphs

Preferred Experience:

- Familiarity with CAD software – AutoDesk
- Front-end development experience, including HTML, CSS, and JavaScript, ArcGIS API for JavaScript, ArcGIS Data Formats (Feature Classes, Feature Datasets, File Geodatabase, Enterprise Geodatabase), ArcGIS Front-End Data Formats (Feature Services, Map Services, Image Services), Enterprise Geodatabases (ArcSDE), RDBMS – Oracle, SQL Server, Python, Exposure to Microsoft .Net C#, WCF, Webapi and Micro Services
- Familiarity with New York City and its spatial datasets, as well other federal and state data, and data repositories such as usgs.gov and gis.ny.gov.
- Computer literacy in MS Word, PowerPoint and Excel programs.
- Knowledge of CMMS/EAM Software for GIS Software interface, preferably Cartegraph CMMS



Hudson River Park Trust
Pier 40, 2nd Floor
353 West Street
New York, NY 10014
P 212.627.2020
F 212.627.9224

hudsonriverpark.org

Essential Traits:

- Ethical Conduct
- Strategic Thinking/Decision Making
- Problem Solving/Analysis
- Collaboration/Congeniality
- Thorough/Detailed/Organized

Compensation/Benefits:

\$22.00 per hour, 35 hours per week.

Application Process:

Interested applicants are to submit a cover letter describing their interest in the position and a resume to Claudia McDade, Director of Human Resources at resumes@hrpt.ny.gov. **Indicate Job Code 2022GIS in the subject line of the email.**

As of January 6, 2022, all new hires must be vaccinated against the COVID-19 virus as defined by the CDC, unless they have been granted a reasonable accommodation for religion or disability.

No phone calls please.

More information on the Hudson River Park is available at:

www.hudsonriverpark.org

The Hudson River Park Trust is an Equal Opportunity Employer

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.