CITY OF NEW YORK PARKS & RECREATION
CITYWIDE JOB VACANCY NOTICE: Job ID No. **700528**

Office Title: Cyber Security Analyst
Civil Service Title: Cyber Security Analyst   **Title Code No:** 13633   **Level:** II
Salary: $95,000 - $100,000
Number of Positions: 1   **Work Location:** Arsenal West, Manhattan

Major Responsibilities

- Under supervision, with latitude for independent initiative and decision making, assist Parks IT in liaising with the citywide NYC Office of Technology and Innovation (OTI) by ensuring any security threats are mitigated by Parks in a timely manner.
- With an effort to remain proactive and stay ahead of the issues, respond to alerts and events that could threaten the Agency's information technology security posture.
- Characterize and analyze network traffic and server / cloud performance metrics to identify anomalous activity and potential threats.
- Complete appropriate patching on various systems, including workstations, servers and network equipment such as switches and routers.
- Analyze identified malicious activity to determine means, method, and details of exploitations against Agency systems and applications.
- Evaluate commercial software in conjunction with OTI for safe use by NYC Parks.
- Reimage / restore devices and equipment to previously known good states after an incident.
- Validate, analyze, investigate and mitigate reported trouble tickets or incidents from OTI.
- Follow up to ensure Parks staff are taking and following Cyber Security Training.
- Ensure new software (COTS, in-house) are being developed following citywide security standards and protocols.
- Follow up on incident reports and app scan reports to ensure that proper mitigation is taking place in timely manner.
- Conduct network monitoring and intrusion detection analysis using various computer network defense tools, such as intrusion detection/prevention systems, firewalls and host-based security systems.
- Conduct log-based and endpoint-based threat detection to detect and protect against threats coming from multiple sources
- Correlate activity across assets (endpoint, network, apps) and environments (on-premises, cloud) to identify patterns of anomalous or suspicious activity.
- Support the creation of business continuity/disaster recovery plans, including conducting disaster recovery tests, publishing test results and making changes necessary to address deficiencies.
- Research emerging threats and vulnerabilities to aid in the identification of incidents.
- Provide users with incident response support, including mitigating actions to contain activity and facilitating forensic analysis when necessary.
- Perform security standards testing against computers or IT equipment before implementation to ensure security standards are met.
- Coordinate with OTI and Parks IT on providing IT inventory, performing Parks security audits and coordinate comptroller directive 1 audits.

Qualification Requirements

1. A baccalaureate degree, from an accredited college including or supplemented by twenty-four (24) semester credits in cyber security, network security, computer science, computer programming, computer engineering, information technology, information science, information systems management, network administration, or a pertinent scientific, technical or related area; or
2. A four-year high school diploma or its equivalent approved by a state's department of education or a recognized accrediting organization and three years of satisfactory experience in any of the areas described in "1" above; or
3. Education and/or experience equivalent to "1" or "2", above. College education may be substituted for up to two years of the required experience in "2" above on the basis that sixty (60) semester credits from an accredited college is equated to one year of experience. In addition, twenty-four (24) credits from an accredited college or graduate school in cyber security, network security, computer science, computer programming, computer engineering, information technology, information science, information systems management, network administration, or a pertinent scientific, technical or related area; or a certificate of at least 625 hours in computer programming from an accredited technical school (post high school), may be substituted for one year of experience.

Residency in New York City, Nassau, Orange, Rockland, Suffolk, Putnam or Westchester counties required for employees with over two years of city service. New York City residency required within 90 days of hire for all other candidates.

Preferred Skills/Qualifications

Preference will be given to applicants who file for and take the Cyber Security Analyst Civil Service Examination (Exam No. 5061).The filing period began February 5, 2025, and ends on February 25, 2025.

1. Experience in IT audit, enterprise risk management, penetration tester, red team/incident responder or as a junior security operations analyst.
2. Experience with regulatory compliance and information security management frameworks (such as International
3. Organization for Standardization [IS0] 27000-1 or 27000-2, COBIT, National Institute of Standards and Technology [NIST] 800-53 or 800-171).
4. Strong decision-making capabilities, with a proven ability to weigh the relative costs and benefits of potential actions and identify the most appropriate one.
5. An ability to effectively influence others to modify their opinions, plans or behaviors.
6. An understanding of organizational mission, values, goals and consistent application of this knowledge.
7. Strong problem-solving and troubleshooting skills.
8. Certified Information Systems Security Professional (CISSP), Certified Information Systems Auditor (CISA), Certified Information Security Manager (CISM).
9. Valid New York State driver license.
10. Familiarity with CISA Binding Operational Directives.
11. Familiarity with NIST Framework, McAfee / CrowdStroke / Rapid7, and Azure or AWS.

How to Apply
All Applicants
Click Here to Apply: Cyber Security Analyst OR
Go to cityjobs.nyc.gov and search for Job ID# 700528.
All applicants must apply via cityjobs.nyc.gov. The City is no longer using ESS to accept applications.

*Current City Employees please include your ERN and Job ID# 700528 on your cover letter and resume.

POST DATE: 01/31/2025   **POST UNTIL: 02/28/2025***

NOTE: All resumes must be received no later than the last day of the posting period. *Posting period extended to 02/28/2025. Previous applicants to Job ID# 631234 and Job ID# 657112 are still under consideration and need not reapply. References will be required upon request.