



FORENSIC DATA ANALYST **(Office of Inspector General)**

Visit www.igchicago.org to apply

The Office of the Inspector General (OIG), Center for Information Technology and Analytics (CITA) has a new opportunity for an individual(s) who love problem-solving and is civic minded, who is interested in designing, building, and implementing analytical models and visualizations to provide OIG with facts and insights to promote economy, effectiveness, efficiency, and integrity in City government. Under guidance, this position develops and employs innovative techniques for data analysis, resulting in the extraction of critical, near real-time information.

DUTIES:

- Develops advanced statistical models and techniques to analyze large, complex transactional and operational data sets extracted from City source databases to assist in the evaluation of deviations and trends in support of investigative and regulatory activities
- Finds anomalies, patterns, and correlations within large data sets to build models using various OIG tools
- Develops ETL techniques to extract information from structured, semi-structured models to complete assigned projects in collaboration with other team members
- Designs, develops, and tests complex business intelligent dashboards to provide actionable insights for fact-based decision making
- Reviews and classifies data across the City and identifies core data sources
- Designs and conducts data quality testing of source data; review data flow and usage to identify risks due to poor data quality and processing inefficiencies
- Compiles and generates statistical and narrative reports to summarize the findings of analysis work
- Participates in both internal and external meetings and conferences to present or share project outcomes or findings
- Performs related duties as required

PREFERRED QUALIFICATIONS:

- Advanced degree in data analytics, data science, predictive analytics, statistics, mathematics, or related field
- Work experience in an investigatory or law enforcement organization
- Work experience conducting statistical analysis

COMPREHENSIVE KNOWLEDGE OF:

- Applicable computer software packages, including visualization software
- Methods and techniques of data base analysis and design
- Tools and techniques to query and analyze data in a relational database
- Software and data management tools such as R, Tableau, Python, SPSS, MySQL, Oracle or other similar tools
- Structured Query Language (SQL) and reporting platforms
- Data mining processes and tools
- Quantitative data analysis methods

MINIMUM QUALIFICATIONS: Graduation from an accredited college or university with a Bachelor's degree in Computer Sciences, Information Technology/Systems, Business Administration or a directly

related field, plus two years of data analysis or data management work experience, or an equivalent combination of education, training and experience.

ANNUAL SALARY: Range: \$79,176 – \$108,900 (annual increases)
Starting \$79,176 (non-negotiable); Post successful six-month review \$82,764

TRAVEL AND SCHEDULE: Travel outside Chicago is not required.
Standard work hours are 8:30am-4:30pm, flexibility permitted.

RESIDENCY REQUIREMENT: Employees must be a resident of the City of Chicago and proof of residency is required at the commencement of employment.

TRAVEL AND SCHEDULE: Travel outside Chicago is not required.
Work schedule is between 8:30am-5:00pm M-F

RESIDENCY REQUIREMENT: Employees must be a resident of the City of Chicago and proof of residency is required at the commencement of employment.

KNOWLEDGE SKILL AND ESSAY REQUIREMENT: A passing score on a knowledge skill test(s) and/or essay may be required.

Employee Vaccination Requirement: City of Chicago employees must, as a condition of employment, be fully vaccinated against COVID-19 effective October 15, 2021. This Policy applies to all City employees. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable City processes. For more information on the vaccine policy please visit: https://www.chicago.gov/city/en/depts/dhr/supp_info/city-of-chicago-employee-vaccination-policy.html

WE VALUE DIVERSITY

The Office of the Inspector General (OIG) is an equal opportunity employer.

OIG is an inclusive organization that hires and develops all its staff of all levels regardless of race, religion, color, ethnicity, national origin, ancestry, marital or parental status, sex, gender expression or identity, sexual orientation, physical or mental ability, age, veteran status, and all other characteristics protected by law.

OIG strives to create the kind of workplace where a socially diverse mix of people can thrive professionally. We pride ourselves in meeting our legal charge to promote economy, effectiveness, efficiency, and integrity in government. Through the hard work of our passionate and innovative team, OIG aims to serve every community with equity, respect, and dignity.

THE CITY OF CHICAGO IS AN EQUAL OPPORTUNITY AND MILITARY FRIENDLY EMPLOYER

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire. The City of Chicago does not participate in E-Verify (Employment Eligibility Verification System). In addition, employment at the Office of Inspector General is contingent upon a satisfactory criminal background check.