NYC OFFICE OF THE MAYOR
Mayor’s Office of Criminal Justice

Position: Geospatial Analyst
Location: New York, New York

Organizational Profile: The Mayor’s Office of Criminal Justice (MOCJ) advises the Mayor of the City of New York on criminal justice policy. MOCJ develops and implements strategies to reduce crime and incarceration and to promote fairness and legitimacy. MOCJ works with law enforcement, city agencies, non-profits, foundations and others to implement data-driven strategies that address current crime conditions, prevent offending, and build the strong neighborhoods that ensure enduring safety. The office draws on various disciplines, such as, behavioral economics to “nudge” conduct and machine learning to develop reliable predictive analytics, to ensure effective results.

Job description: The office is seeking a Geospatial Analyst and responsibilities will include systems analysis, programming development, maintenance and update of the geospatial data. Candidates for this role should have knowledge of principles, practices, terminology, and trends in Geospatial technology and cartography ideally applied to criminal justice. The Geospatial Analyst’s responsibilities include, but are not limited to:

- Creating, developing, and maintaining geospatial databases and association to non-spatial data;
- Geocoding, data processing and clean up;
- Conducting geospatial analyses and map production in support of projects and initiatives;
- Design data-driven interactive visualization for the web and static content for and presentations to explain policy proposals and launch new programs, and;
- Manages the collection of data and the administration of a variety of databases;

Requirements:

The successful candidate must have a broad range of skills, but above all, they must be curious, flexible thinkers who love learning new things and tackling challenges on a daily basis. In addition, the preferred candidate should possess the following:

- Bachelor’s Degree with coursework in Geographic Information Systems.
- A minimum of 3 years of experience in geospatial data development and maintenance, map production, and database development.
- Proficiency with ESRI technologies (ArcGIS Desktop and Server) or alternatives (QGIS, CARTO, Mapbox, D3.js).
- Strong preference given to candidates with experience programming with Python or JavaScript, development of geoprocessing models and scripts and web-based mapping libraries.
- Portfolio of projects, visualizations and maps.
- Ability to balance competing priorities, complex situations and tight deadlines; ability to think outside of the box and develop novel strategies for analysis; ability to work independently in a fast-paced environment; ability work comfortably with a wide variety of people at different levels within the organization.
• Excellent written and verbal communication skills, with the ability to present data and research projects.

**TO APPLY:** Please send a copy of your resume, a cover letter, a writings sample no more than 3 pages, and three references to CJCResumes@cityhall.nyc.gov. For additional information, see: [http://www.justice-data.nyc/](http://www.justice-data.nyc/) and [http://www1.nyc.gov/site/criminaljustice/index.page](http://www1.nyc.gov/site/criminaljustice/index.page)