
Job Title	Data Engineer
PVN ID	JJ-2204-004722
Category	Administrative Services
Location	JOHN JAY COLLEGE OF CRIMINAL JUSTICE

Department	
Status	Full Time
Annual Salary	\$80,000.00 - \$120,000.00
Hour(s) a Week	35
Closing Date	Aug 11, 2022 (Or Until Filled)

General Description

The Data Collaborative for Justice (DCJ):

The Data Collaborative for Justice is a research organization launched at John Jay College of Criminal Justice in 2013. The DCJ has partnered with state and local agencies in New York to publish reports on various criminal justice topics, and expanded portfolio of analyses, evaluation, and partnerships around the nation. The DCJ also provides technical assistance to the Mayor's Office of Criminal Justice of New York City to process administrative data for criminal justice research, including data analysis, data engineering and data product development. This position is for the technical assistance project.

The DCJ operates under the Research Foundation City University of New York (RF).

The Mayor's Office of Criminal Justice:

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 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.

Position:

DCJ is seeking a Data Engineer to primarily assist with the technical assistance provided to MOCJ. The position will primarily work with the Data and Technology group and the Executive Director of Information Technology. The Data Engineer will assist in managing and supporting the agency's data platform and data pipelines and addressing new needs as they arrive. The Data Engineer will also participate in the

implementation of the City's new data exchange platform. Work will include migrating existing data pipelines and development of new procedures. The candidate is expected to work independently, possess a variety of analytic and data management skills and be actively involved in the full life cycle of data management including acquisition, processing, quality assurance/quality control, documenting and cataloging.

Other Duties

Responsibilities:

The Data Engineer's responsibilities include, but are not limited to:

- Maintain and support the agency's data platform and data pipelines;
- Develop new data pipelines in collaboration with agency business owners;
- Work with technologies and platforms including Redshift, Snowflake, Tableau, SnapLogic, Informatica Python, R and SQL.
- Ensure agency compliance with all relevant data security and privacy policies;
- Develop and oversee quality assurance/quality control procedures;
- Develop processes to automate testing and deployment of code, and
- Document all processes and procedures;

Qualifications

Core Competencies:

- Ability to secure any necessary security clearances;
- Ability to monitor and evaluate the work of others, consistent with RF policies and contracts;
- Ability to communicate effectively with technical and program staff about research techniques, applications, practices, etc. important to the field of inquiry;
- Knowledge of policies regarding intellectual property, use of facilities and equipment, allocation of time and materials to project costs, and utilization of IT resources, and
- Knowledge of protocols for safe conduct of research, including but not limited to the study of human subjects and establishment of safety reporting procedures.

Qualifications:

The successful candidate must be highly organized, pays close attention to detail, is results-driven, is flexible and is overall a problem-solver and self-starter. In addition, the preferred candidate should possess the following:

- Bachelor's Degree and a minimum of 3 years of experience.
- Knowledge of the principles, practices, and methods of data management and curation.
- Knowledge of data structures, formats, metadata and cataloging standards, and database technologies.
- Programming proficiency in Python and an understanding of R.

- Demonstrated experience with the aforementioned tools.
- Experience managing data and automating data pipelines;
- Data visualization and presentation experience a plus;
- Experience with geospatial data and technologies is a plus.
- Ability to balance competing priorities, complex situations, and tight deadlines.
- Ability to work independently in a fast-paced environment.
- Ability works comfortably with a wide variety of people at different levels within and outside the organization.
- Well organized with strong communication skills.

Salary: \$80,000 - \$120, 000, depends on experience.

To Apply:

Please go to www.rfcuny.org. Under “About RF” there is a link for “Careers.” Please choose John Jay College of Criminal Justice to find the position.

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For Additional Information, See:

the DCJ website <https://datacollaborativeforjustice.org/> and

the MOCJ website <http://www1.nyc.gov/site/criminaljustice/index.page>