

OFFICE OF THE NEW YORK STATE ATTORNEY GENERAL

Executive Division – Research Department Data Analyst (Machine Learning) – New York City Reference No: EXEC/RD_NYC_DA_2015

The Research Department in the Office of the New York State Attorney General (“OAG”) seeks candidates for a full-time Data Analyst (Machine Learning Specialist) position. The Research Department is part of the Executive Division and works closely with senior staff to support the OAG's major initiatives, investigations, and policy development. This close-knit team has researched and written analytical reports garnering national attention, directed multi-million dollar grant programs, and supported several of the office's major investigations.

Employing over 1,700 people across New York State, the OAG is both the “People's Lawyer” and the State's chief legal officer. The OAG serves all New Yorkers in numerous legal and regulatory arenas, including vigorously protecting the rights of investors and consumers, coordinating state-wide criminal investigations, promoting economic and social justice, encouraging harm-reducing public health strategies, and preserving the State's environment. The OAG also advises the Executive branch of State government and defends actions and proceedings on behalf of the State.

RESPONSIBILITIES:

The OAG has at its disposal rich sources of public and confidential data. The Data Analyst (Machine Learning Specialist) will work closely with the OAG's Research Director and Data Scientist to create tools that develop investigatory leads and expand existing investigations through:

- Establishing processes for large scale analyses of structured and unstructured datasets
- Building, validating, and deploying modern machine learning and statistical models (linear and non-linear regression analysis, Bayesian models, random forests, neural networks, natural language processing)

QUALIFICATIONS/SKILLS:

- Bachelor's degree required (advanced degree preferred) in computer science, mathematics, applied statistics, physics, engineering, or similar disciplines with demonstrated capability;
- Proven experience in methods, theory, and application of machine learning and data mining;
- Demonstrated expertise in:
 - Natural language processing, including text mining, sentiment analysis, and feature extraction;
 - Statistical programming languages (e.g. R, Python);
 - Data visualization (e.g. Mappr, D3, matplotlib, ggplot2);
 - Database querying and optimization (SQL);
 - Distributed computation frameworks (e.g. Hadoop, Spark, MapReduce);
- Excellent oral, written, and presentation communication skills;
- Ability to communicate technical concepts and results to a non-technical audience;
- Highly organized, self-directed, and curious;
- Personable and positive, with a high level of integrity; and
- Interest in public policy and social/economic justice.

Candidates from diverse backgrounds are encouraged to apply. The Office of the Attorney General is an equal opportunity employer and is committed to workplace diversity.

HOW TO APPLY

Applications are being received online. To apply, please go to our website [www.ag.ny.gov, Resources/Job Opportunities – Other Open Positions](http://www.ag.ny.gov/Resources/JobOpportunities-OtherOpenPositions).

Applicants must be prepared to submit a complete application consisting of a **cover letter, resume, writing sample, and a list of three (3) references with contact information and email addresses**. You may address your cover letter to Sandra Jefferson Grannum, Esq., Bureau Chief, Legal Recruitment Bureau. ***Please note: Failure to submit a complete application will delay the consideration of your application.***

For questions about a position with the OAG, the application process or assistance with submitting your application, please contact the Legal Recruitment Bureau via email at recruitment@ag.ny.gov or phone at 212-416-8080.

For more information about the OAG, please visit our website: www.ag.ny.gov