



Office of the State Auditor

DATA ANALYTICS SENIOR FRAUD EXAMINER (Bureau of Special Investigations) Boston Office

OSA Posting Number 2017-53

Salary Range (Grade 12) CSA925 \$48,853.31/yr. to \$70,000.00/yr. (Commensurate with experience)

GENERAL STATEMENT OF DUTIES:

The senior data analytics fraud examiner will data mine, produce analytical reports, conduct the investigations, compile investigative reports, present the reports to prosecutors on the local, state and federal levels. The senior data analytics fraud examiner will lead, support and organize the team efforts to data mine, plan and execute investigative analysis.

SUPERVISION RECEIVED:

Work under the direct supervision of the Assistant Director overseeing the specific unit that examiners are assigned to.

SUPERVISION EXERCISED:

Supervise Fraud Examiners in various stages of ongoing investigations.

DUTIES AND RESPONSIBILITIES:

- Proactively develop referrals of alleged fraudulent public assistance claims or complaints through the use of office data applications, tools and datasets.
- Lead and support team in developing fraud detection concerts through transactional analysis, link analysis, statistical and outlier analysis, as well as, trend and exploration analysis.
- Develop and maintain SQL coding to extract, transform and load data from data warehouses into local databases.
- Collect, manipulate, analyze, evaluate and display data in different visualization tools.
- Acquire and abstract primary or secondary data from existing internal or external data sources.
- Conduct criminal investigations into public assistance fraud based on data analytics findings or in response to external referrals
- Work collaboratively with our federal and state stakeholders, as well as, audit divisions within the office.
- Prepare reports, evidence and correspondence concerning investigations to provide required information and make appropriate recommendations concerning investigations.
- Consult with Assistant Director regarding cases prepared for court for presentation to Director for criminal prosecution.



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MINIMUM QUALIFICATIONS:

- A bachelor's degree with 1 to 3 years of comparable work experience in the field of fraud and white collar investigations. Professional certificates in related fields. Experience and training in four key areas: fraud prevention and deterrence, financial transactions, fraud investigation, and the legal elements of fraud.
- Working knowledge of the principles, theories and techniques of investigation and detection of public assistance fraud, including a comprehensive knowledge of current standards, techniques and methodologies of program evaluation and investigative analysis.
- Knowledge of state and federal laws with the ability to understand, interpret and apply state laws, rules and regulations governing the department.
- Excellent written and oral communication skills.
- Experience in developing and presenting solutions to complex and open ended problems.
- Proficient skills in SQL Server Management Studio (SSMS) and writing T-SQL.
- Conduct comprehensive research and analysis.
- Experience using data visualization tools and turning raw data into visualization interpretations.
- Experience with legal and court procedures.
- Advanced understanding of data, data fields, data integrity, and data cleansing.

PREFERRED QUALIFICATIONS:

Demonstrated experience and expertise in the following areas will also be important considerations:

- A Master's degree in criminal justice or a related field, or substantial professional experience in the investigation of fraud in public benefits or other white collar crimes.
- At least 5 years full time or equivalent part-time experience, the major duties of which included: experience in investigations, auditing, data analysis, or has assisted in the development of investigative findings and/or the preparation of audit reports.
- Participation in major investigative engagements, or complex or specialized investigations requiring the application of technical knowledge and expertise.



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- Experience matching and merging disparate data sets using string edits and distance algorithms.
- Familiarity with the Agile principles and the Scrum framework.

No Phone Calls Please:

To apply, please submit an electronic copy of a cover letter and resume, no later than **October 25, 2017** via the MassCareers website: [Click Here](#)

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