



Full-Time / Part-Time:

Full-Time

Data Scientist – TS/SCI eligibility required

Gnosis Solutions is seeking to fill a Data Scientist position to support a Federal client in the Charlottesville area.

Responsibilities

Work under limited supervision to enable the collection, exploitation and analysis of open sources of information with data science techniques, tools and related consultancy. Specific responsibilities include:

- Apply data science principles and techniques to support the collection and exploitation of Publicly Available Information (PAI) for the production of all source and OSINT products.
- Demonstrate the ability to frame and scale data problems to analyze, visualize and find data solutions which are responsive to customer requirements.
- Assess and provide recommendations on emerging data science enabled OSINT tactics, techniques and procedures (TTPs).
- Derive analytical insights from data and visualizations to meet customer research requirements.
- Provide support to operational planning, technical papers, and other tasks as directed by the customer.
- Leverage data patterns and other development patterns to optimize code and reduce computational overhead.
- Develop briefing materials as well as brief senior personnel and officers as needed.
- Participate in external project interactions with other organizations and agencies.

Required Skills and Education

- Active TS/SCI required.
- Bachelor's or master's degree in data science, mathematics, statistics, economics, computer science, engineering, or a related business or quantitative discipline.
- 7-10 years of experience in data science, advanced analytics, machine learning or statistics.
- Strong writing and presentation skills.
- Experience with search architecture (e.g. Solr, Elasticsearch).
- Big data frameworks such as Spark or Hadoop and data science frameworks such as Karas, Tensorflow or Theano.
- Experience with building querying ontologies such as Zeno, OWL, RDF, SparQL.
- Experience with sampling, collecting, computing, analyzing statistical data as well as scripting and data analysis in R or Python.
- Experience with GPU processing.
- Experience with machine learning (e.g. decision trees, topic modeling, neural networks/deep learning, natural language processing).
- Experience with optimization, simulation, modeling, network science and structured analytics.

Preferred Skills and Education

- Graduate of IC or Defense OSINT Training courses (e.g., DIA OS1, OSC 101, FBI OS101, Army OBC or OS301/OS302).
- Experience conducting intelligence analytical support for the Department of Defense or Intelligence Community.

Disclaimer

Gnosis Solutions, Incorporated is an equal opportunity employer. Employment decisions are made without regard to characteristics protected by law.