



Data Scientist

Pittsburgh, PA Or Arlington, VA

Forward Deployed / Full-Time / On-Site

Company Description

Govini transforms Defense Acquisition from an outdated manual process to a software-driven strategic advantage for the United States. Our flagship product, Ark, supports Supply Chain, Science and Technology, Production, Sustainment, and Modernization teams with AI-enabled applications and best-in-class data to more rapidly imagine, develop, and field the capabilities we need. Today, the national security community and every branch of the military rely on Govini to enable faster and more informed Acquisition decisions.

Job Description

We are seeking an inquisitive, ambitious, and assertive data scientist to join our team and work directly with our clients to embed into their workflow and help them quickly find solutions to their most pressing questions using a combination of the data powering the Ark and customer-provided data.

Your role on the Data Science team will be primarily focused on integrating with our customers in a forward-deployed setting (i.e., at the customer's site). You will work on-site with our customers to understand their day-to-day challenges and work to mitigate them through the development of key indicators and insights using appropriate data science methods for the problem. You will master our large datasets, and you will design and implement scalable statistical systems based on your analysis. You will be in a fast-paced environment and given the opportunity to quickly develop subject matter expertise.

We need a creative, out-of-the-box thinker who shares our passion and obsession with quality. As part of our team, you must be a data nerd with a strong understanding of the various fundamentals of data science and analysis, and know how to bring data to life.

This role is a full-time position located out of our office in Pittsburgh, PA

This role may require up to 75% travel

Scope of Responsibilities

- Design experiments, test hypotheses, and build models for advanced data analysis and complex algorithms
- Apply advanced statistical and predictive modeling techniques to build, maintain, and improve on multiple real-time decision systems
- Make strategic recommendations on data collection, integration, and retention requirements, incorporating business requirements and knowledge of data industry best practices
- Model and frame business scenarios that are meaningful and which impact critical processes and decisions; transform, standardize, and integrate datasets for client use cases
- Rapidly build light-weight prototypes to demonstrate the core concepts
- Convert custom, complex, and manual client data analysis tasks into repeatable, configurable processes for consistent and scalable use within the Govini SaaS platform
- Optimize processes for maximum speed, performance, and accuracy; craft clean, testable, and maintainable code
- Partner with internal Govini data analysts and external client teams to seek out the best solutions regarding data-driven problem-solving
- Participate in end-to-end software development, on an agile team in a scrum process, collaborating closely with fellow software, machine learning, data, and QA engineers

Qualifications

- U.S. Citizenship is required

Required Skills:

- Bachelor's degree in Computer Science, Computer Engineering, Data Analytics, Data Science, Mathematics, Statistics, or a related field; Master's preferred
- 2+ years of hands-on data science experience
- Current possession of a U.S. security clearance, or the ability to obtain one with our sponsorship
- Regular development experience in Python
- Advanced knowledge and experience with SQL
- Prior hands-on experience working with data-driven analytics
- Proven ability to develop solutions to loosely defined business problems by leveraging pattern detection over large datasets
- Proficiency in statistical analysis, quantitative analytics, forecasting/predictive analytics, multivariate testing, and optimization algorithms
- Experience using machine learning algorithms (e.g., gradient-boosted machines, neural networks, LLMs, etc)Ability to work independently and drive tasks to completion with little supervision
- Extremely strong communication and interpersonal skills
- A burning desire to work in a challenging fast-paced environment


Desired Skills:

- Experience in or exposure to the nuances of a startup or other entrepreneurial environment
- Experience working on agile/scrum teams
- Experience with major NLP frameworks

We firmly believe that past performance is the best indicator of future performance. If you thrive while building solutions to complex problems, are a self-starter, and are passionate about making an impact in global security, we're eager to hear from you.

Govini is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability and protected veterans status or any other characteristic protected by law.

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