



## Senior Data Science Analyst Position Description

### Organizational Summary

CANA LLC (CANA) is a purpose-driven firm that applies analytics-based logistics solutions for Federal/State U.S. Government and commercial clients. CANA's principles include integrity, quality, best value, and respect. We believe that a better quality of life is achievable. The science around and application of quantitative methods can make a difference. Our brand, **Powered by CANA Analytics®**, refers to our CANA professionals and our solutions. It is the power of having subject matter experts who can deliver a fusion of information to our clients. This includes applied analytics methods, software development, supply chain and logistics operations, warehousing, program and project management, energy infrastructure and mobility planning, and logistics systems integration.

### Role Summary

The CANA **Senior Data Science Analyst** is an adept leader in the Federal or commercial analytics community. This position is a senior technical position that requires a broad range of application experience, knowledge, and abilities to work independently, with a group, and to provide leadership through projects and tasks.

### Duties and Responsibilities

The **Senior Data Science Analyst** will be a proven leader in the analytics community - commercial and/or Federal sectors. They will provide ethically derived analytical results to support high-impact decisions by CANA clients. The **Senior Data Science Analyst** will present themselves and their work professionally and represent CANA with the utmost pride in working group settings, professional forums, with CANA clients, and all company (internal and external) interactions. They have the ability to communicate at all management and technical levels - understanding and adapting appropriately for the environment.

The **Senior Data Science Analyst** will:



- fill roles of task manager, technical contributor, and independent researcher. They will deliver analytical results based on the scope defined by the individual or by another on the project team and delivering within required time frames;
- at times, be required to develop the scope for technical team delivery and may be required to provide verification and validation activities oversight on other members' technical work and provide feedback; and
- develop independent research concepts, project scope, and solutions that may lead to client delivery or retention for internal use, re-use, and continued development.

In addition, the **Senior Data Science Analyst** is expected to collaborate with team members to determine how data science methods might be used to enhance the final product.

CANA is a virtual company, requiring all employees to work effectively across multiple web-based collaboration, knowledge management, file storage, and work environments. The CANA employee must quickly develop an ability to work effectively with technical teams by using these web-based technologies.

As a CANA employee, the **Senior Data Science Analyst** is encouraged to identify areas of service that CANA might provide to support worthwhile causes related to the employee's areas of interest.

## Qualifications and Required Skills

- Master's degree required in analytics or a mathematically related curriculum (i.e., Applied Mathematics, Operations Research, Statistics, Data Analytics, Sociology, etc.).
- 5-10 years or more of combined experience in applying data science methods to problems.
- Ability to develop and deploy models in multiple software languages, both open source, and commercial off-the-shelf (COTS) software packages.
- Capable of executing all activities within the life cycle of analysis and modeling and simulation development: problem definition, decision-maker analysis, data analysis, model programming and development, verification and validation, graphical analysis, packaging results for decision-makers, and presenting results.
- Skilled communicator with the ability to prepare, coordinate, and deliver in person, over the telephone, or over a virtual, Web-sharing environment.
- Independently or team-oriented, has the ability to manage small groups of analysts or work on independent research.



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- Able to define new analytic concepts (i.e. new analytic support processes, software and data architecture, etc.) for application in future and existing projects.
  - Able to lead and execute tasks with minimal guidance.

*The ideal applicant will possess ten plus years of military service to include current war reserve, supply, and readiness reporting experience at the Marine Expeditionary Force (MEF), Marine Corps Forces (MARFOR), or a similar military program level. Have familiarization and a working knowledge of Marine Corps' functions of logistics, supply policies, and roles.*

## **Desired Skills**

- Experience programming in the R programming, Python, Scala, Julia, or other scientific math programming languages is highly preferred.
- Support business development and technical solution concept definition, design, and prototyping, and support current and future client engagements that may lead to expansion of existing or new business.
- Perform in Opportunity Lead roles for one or more defined opportunities and Market Lead role(s) for CANA market development.

## **Travel**

- At least 20% travel expected annually

## **Security Clearance**

- Eligible for Secret or higher level clearance