



Senior Operations Research 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.

Duties and Responsibilities

The **CANA Senior Operations Research Analyst** will have demonstrated interest in the operations research community - commercial and/or Federal sectors. They will provide ethically derived analytical results to support high-impact decisions by CANA clients. The **Senior Operations Research Analyst** will present themselves and their work professionally and represent CANA with the utmost pride in working group settings, conferences, with CANA clients, and all company (internal and external) interactions.

The **Senior Operations Research Analyst** responsibilities include:

- Managing small technical teams to accomplish task level effort
- Managing analytical and modeling and simulation development life cycles
- Delivering analytical results based on defined scope and time frame
- Developing scope for technical team delivery
- Providing verification and validation activities oversight on other member technical work and feedback to a project manager or task lead
- Developing independent research and solutions that may lead to client delivery or retention for internal product management and continued development
- Developing business and technical solution design, prototypes, solutions, and supports current and future client engagements that may lead to expansion of existing or new business. May provide Market Lead or Offering Lead role for CANA market development.
- Meeting both technical and customer needs
- Staying abreast of developments in operations research field

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 Operations Research Analyst** is encouraged to identify areas of service that CANA might provide to support worthwhile causes related to the employee's areas of interest. In addition, the **Senior Operations Research Analyst** is expected to build upon other employee ideas for service by brainstorming how operations research methods might be used in support of these.

Role Summary

The **Senior Operations Research Analyst** is an adept leader in the Federal or commercial operations research community. This position requires strong technical knowledge, communication skills, and the ability to work independently and within a team.

Qualifications and Required Skills

- Master's Degree required in Operations Research or a mathematically related curriculum
- 5 years or more of combined experience in applying operations methods to operational problems
- Experience in the analytics programming language (e.g., R, Python, Scala, Julia)
- Strong organizational and project management skills
- Excellent verbal and written communication skills
- 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
- Attention to detail
- Practical and realistic problem-solving skills

Desired Skills

- Experience with code configuration management in tools such as GitHub or GitLab
- Strong analytical skills using different techniques (i.e., optimization, simulation, Machine Learning, etc.)

Travel

- Up to **20%** travel required

Security Clearance

- Eligible for Secret level or higher clearance