



GRA, Incorporated

Economic Counsel to the Transportation Industry

Position Description: Data Scientist

GRA, Incorporated—one of the nation's most experienced and well-respected aviation consulting firms—seeks a qualified candidate to provide programming and advanced data analysis in support of our Federal Aviation Administration (FAA) customer. Successful candidate must pass background investigation to work on-site as a contractor for the FAA in the Washington DC metro area.

Illustrative Tasks:

- Programming
 - Develop data visualization tools, including web-based user interfaces for existing data sets
 - Develop and maintain tools required for processing and analysis of aviation data
 - Modernize the underlying programming behind certain databases and analytical tools
- Data Analysis
 - Work with large aviation data sets and implement error checking, data quality assessments, and related activities
 - Provide analytical support in assessing the performance of the national airspace, including the identification of constraints that result in delays and operational inefficiencies
 - Evaluate and summarize key performance indicators for U.S. aviation system performance compared to other aviation systems (e.g., Europe)
- Communication
 - Present results to internal FAA management team and to other FAA and industry groups
 - Develop data visualizations, documentation, user guides, presentations, or written reports

Position Requirements:

- Either a Master's degree plus one year of relevant work experience or a Bachelor's degree plus three years of relevant work experience; degree must be in science, engineering, or related field
- Demonstrated command of the best practices for data visualization and experience with data visualization software and toolkits such as Tableau or R Shiny
- Demonstrated experience in programming with languages such as R or Python
- Demonstrated experience in interfacing with a database using SQL or PL/SQL
- Proficiency with standard Microsoft analytical software such as Excel or Access
- Ability to assess and verify operational data and communicate analytical results
- Excellent oral and written communications skills, including experience in writing documentation
- Team player who works effectively in a collaborative environment

Position Preferences:

- Work or academic experience in aviation preferred
- Oracle or PostgreSQL database experience preferred
- Experience with version control using Git preferred
- Experience with the Atlassian product suite or other similar project management and collaboration tools preferred

Competitive compensation package with full benefits. Please send resume and transcript(s) via email to:

Mary Mateja, GRA, Incorporated

recruiting@gra-inc.com

(no phone calls or written correspondence please)