CTC Concurrent Technologies Corporation (/)

Data Scientist

📍 Springfield, VA   🏢 Full-Time   🏢 Information Technology Division
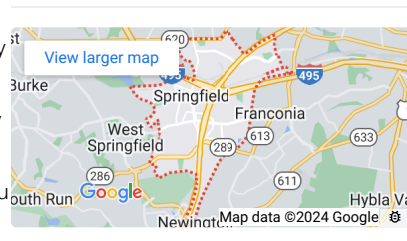
DATA SCIENTIST

Concurrent Technologies Corporation

Northern Virginia

Minimum Clearance Required: TS/SCI with Polygraph

Clearance Level Must Be Able to Obtain: TS/SCI with Polygraph

Concurrent Technologies Corporation (CTC) is seeking highly talented and driven Data Scientists with exceptional Python programming skills. This position offers a unique opportunity to work on exciting and impactful projects that address critical challenges within the Intelligence Community (IC). You will play a crucial role in transforming vast amounts of structured and unstructured data into actionable insights through advanced data manipulation, machine learning, and innovative analytical techniques.

Key Responsibilities:

- **Data Integration and Analysis**:
  - Write sophisticated scripts to integrate diverse datasets.
  - Conduct exploratory data analysis to uncover hidden patterns and relationships.

- **Machine Learning and Predictive Modeling**:
  - Develop and deploy machine learning models to train predictive analytics.
  - Apply the right combination of tools and techniques to transform disparate data points into meaningful insights.

- **Data Enrichment and Prioritization**:
  - Enrich and prioritize data to discover relationships and correlations.

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- **Situational Awareness and Data Unification**:
  - Provide situational awareness by unifying data into a coherent and accurate context.
  - [Build] visualizations that present data insights clearly and concisely.

- **Systems Modeling and Business Analytics**:
  - Perform systems modeling to create computational analogs of real-world systems.
  - Generate business analytics to support data-driven decision-making and enhance intelligence operations.

Basic Qualifications:

- **Educational Background**:
  - Bachelor's degree in Mathematics, Physical Science, Software Engineering, Computer Science, or a related field with 4-6 years of relevant experience, Master's degree with 2-4 years of experience, or PhD with 0-2 years of experience.

- **Technical Expertise**:
  - Demonstrated knowledge in two or more of the following areas:
    - Applied Mathematics (e.g., probability and statistics, multivariable calculus, linear algebra, differential equations, stochastic processes, graph theory).
    - Computer Programming (e.g., scripting, data parsing/ETL, artificial intelligence, machine learning, natural language processing, software versioning, distributed computing).
    - Data Visualization (e.g., dashboard creation, network analysis, GIS/geospatial analysis, telemetry analysis).

Preferred Qualifications:

- **Innovation and Problem-Solving**:
  - Demonstrated creativity and innovation in solving complex problems.
  - Ability to organize and manage relevant information using advanced data management tools.

- **Hypothesis Testing and Application Development**:
  - Develop hypotheses about data and create software applications to test them.
  - Skilled in data storytelling through graphical, verbal, or written narratives.

- **Team Collaboration**:
  - Motivated to work collaboratively and effectively within a dynamic team environment.

Why CTC?

- When we encounter a difficult problem, we have a variety of talented

 (https://www.facebook.com/ConcurrentTechnologiesCorporation/) and diverse employees that work together to solve the challenges

CTC *Concurrent Technologies Corporation* package (http://www.linkedin.com/companies/5512)
(/)

- Although our work at CTC is extremely important, we also recognize the need for our employees to maintain a proper mix of work and personal life

- Visit www.ctc.com (http://www.ctc.com/) to learn more

Join us! CTC offers exceptional career growth, cutting edge technology, educational opportunities, and recognition for quality work.

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Staffing Requisition: SR# 2024-0082

"We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability status, protected veteran status, or any other characteristic protected by law."

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