

## Data Scientist

Department of Air Force  
Joint Warfare Analysis Center

### Open & Closing Dates

10/25/2021 – 11/24/2021

### Service

Competitive

### Pay Scale & Grade

DR-I/DR-II

### Salary

\$53,351 to \$135,155 per year

### Appointment Type

Permanent

### Work Schedule

Full-Time

### Location

1 vacancy in the following location:

#### Joint Warfare Analysis Center

Adversary Networks Directorate (JN)  
Automation & Data Science Analytics (JN3)  
Dahlgren, VA

### Relocation Expenses

Relocation expenses or relocation incentives as described in 5 USC 5753 may be authorized in accordance with applicable travel regulations.

### Telework

Situational, as determined by JWAC policy and supervisor

### This job is open to

The public – U.S. citizens

### Announcement Number

JWAC-22-JN-005

## Duties

### Summary

This is a public notice flyer to notify interested applicants of anticipated vacancies. Applications will not be accepted through this flyer. Interested applicants must follow the directions in the "How to Apply" section of this flyer to be considered. There may or may not be actual vacancies filled from this flyer. Notice of Result letters will not be sent to applicants who respond to this flyer.

This position requires competency in machine learning, automation, and mathematical modeling under the umbrella of solving complex Data Science & Engineering problems.

Data Scientist work within a multi-disciplinary team in a startup-like environment that architects, develops, deploys and maintains solutions for engineers and social scientists enabling them to quickly build their products which directly support our warfighters around the world.

### **Responsibilities**

- Create programmatic solutions to provide for reliably routed data that is to be curated, normalized, cleaned (to include filling in gaps), and made securely accessible to customers which include other data scientists, analysts, and engineers.
- Create and integrate automated solutions involving large internal and external data sources available on restricted networks through technologies such as SQL, REST, Hadoop, etc.
- Leverage some of the latest cloud technologies (ex. AWS, Azure) to assist with data manipulation, modeling and analysis at larger scales or with greater resources in parallel.
- Serve as lead or key member in ongoing technical teams involved with the architecture, implementation, and testing of systems, applications, security, and technologies.
- Provide information and effectively partner within and beyond own organizational unit to influence decisions or recommend solutions.
- Will be a member of an Agile team and will therefore be required to lead, mentor, research and perform complex assignments as necessary within its self-organizing environment.
- Create automated pipelines for testing and deploying Agile projects on delivery schedules from weeks to a couple of months at most.

### **Travel Required**

Occasional travel – You may be expected to travel for this position.

### **Supervisory Status**

No

### **Promotion Potential**

DR-II

### **Job Family (Series)**

1515 Operations Research

1520 Mathematics

1550 Computer Science

2210 Information Technology Management

### **Requirements**

#### **Conditions of Employment:**

- Must be a U.S. Citizen.
- Incumbent must have or be capable of obtaining and retaining a Top Secret/SCI security clearance.

- This position has been designated by the Air Force as a Testing Designated Position (TDP) under the Air Force Civilian Drug Testing program. The incumbent is subject to random testing for drug use.
- Position is subject to polygraph testing.
- Must be determined suitable for federal employment.
- Must participate in the direct deposit pay program.
- New employees to the Air Force will be required to successfully pass the E-Verify employment verification check. To learn more about E-Verify, including your rights and responsibilities, visit [e-verify.gov](http://e-verify.gov).
- Males born after 12-31-59 must be registered for Selective Service.
- Within the Department of Defense, the appointment of retired military members within 180 days immediately following retirement date to a civilian position is subject to the provisions of 5 United States Code 3326.
- As required by Executive Order 14043, federal employees are required to be fully vaccinated against COVID-19 regardless of the employee's duty location or work arrangement (e.g., telework, remote work, etc.), subject to such exceptions as required by law. If selected, you will be required to be vaccinated against COVID-19 and submit documentation of proof of vaccination by November 22, 2021 or before appointment or onboarding with the agency, if after November 22. The agency will provide additional information regarding what information or documentation will be needed and how you can request of the agency a legally required exception from this requirement.

## **Qualifications**

Only applicants who meet the area of consideration are eligible to apply for this job. In order to qualify for this position, you must meet the basic education and/or specialized experience requirements.

For DR-I: Your resume must demonstrate at least one year of specialized experience at or equivalent to the GS-5 grade level in the Federal service or equivalent in other pay systems that equipped me with the particular knowledge, skills and abilities (KSAs) to perform successfully the duties of this position, and that is in or related to the position to be filled. Specialized Experience is defined as work in the private or public sector performing duties in or related to the work of the position being filled. Examples of specialized experience include understanding of methods and practices in identifying, formulating, evaluating, nurturing and promoting the generation and exchange of new theories, concepts, principles, methods, applications, and practices, experience applying quantitative and qualitative analysis and investigative techniques in order to synthesize data, evaluate significant factors, and recommend ways to improve the effectiveness and efficiency of work operations AND using programming languages such as R, Python, Julia, Scala, or C#; application of mathematical and statistical theories; experience with Hadoop or Spark and cloud services like AWS or Azure; and ability to leverage Agile concepts like Scrum or Kanban.

This definition of specialized experience is typical of work performed at the DR-1/GS-07/9/11 broadband position in the federal service.

For DR-II: Your resume must demonstrate at least one year of specialized experience at or equivalent to DR-II/GS-12/13 level in the Federal service or equivalent in other pay systems that equipped me with the particular knowledge, skills and abilities (KSAs) to perform successfully the duties of this position, and that is in or related to the position to be filled. Specialized experience should include comprehensive knowledge and mastery of advanced scientific design and development principles, methods and practices in identifying, formulating, evaluating, nurturing and promoting the generation and exchange of new theories, concepts, principles, methods, applications, and practices. Candidates should also display mastery in applying systems thinking concepts and techniques; structured analysis principles; life cycle management concepts; and cost- benefit analysis methods sufficient to evaluate the feasibility of proposed new development projects and the mission, operations and programs of customer organizations.

This definition of specialized experience is typical of work performed at the DR-II/GS-12/13 broadband position in the federal service.

### **Other Desired Qualifications:**

For all positions, individuals must have experience demonstrating each of the competencies listed below:

- Knowledge of Python language and development environment or multiple programming languages such as Julia, Scala, C#.
- Understanding of methods and practices in identifying, formulating, evaluating, nurturing and promoting the generation and exchange of new theories, concepts, principles, methods, applications, and practices.
- Knowledge of R language and development environment.
- Mathematics skills (e.g., statistics, algebra, matrix math).
- Ability to perform exploratory data analysis.
- Experience with big data technologies such as Hadoop and Spark.
- Exposure to cloud services like AWS or Azure.
- Experience with common data science toolkits.
- Ability to leverage Agile concepts like Scrum or Kanban.
- Ability to communicate with both technical & non-technical stakeholders regarding workflows, requirements or recommended solutions.
- Ability to leverage active listening while solving problems, brainstorming ideas, or adapting to changing environments & requirements.
- Ability to make positive contributions to multiple aspects of the team's responsibilities. Shares knowledge and experience with team members.
- Ability to adapt to changing work requirements in order to meet concrete deadlines.

Additional qualification information can be found from the following Office of Personnel Management web site: <https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/#url=List-by-Occupational-Series>

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., professional, philanthropic, religious, spiritual, community, student, social). Volunteer work helps build critical competencies, knowledge, and skills and can provide valuable training and experience that translates directly to paid employment.

## **Education**

BASIC REQUIREMENTS FOR 1515:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/1500/operations-research-series-1515/>

BASIC REQUIREMENTS for 1520:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/1500/mathematics-series-1520/>

BASIC REQUIREMENTS for 1550:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/1500/computer-science-series-1550/>

BASIC REQUIREMENTS for 2210:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/0300/gs-2210-information-technology-management-series/>

IF USING EDUCATION TO QUALIFY: You MUST provide transcripts to support your educational claims. Education must be accredited by an accrediting institution recognized by the U.S. Department of Education.

FOREIGN EDUCATION: Education completed in foreign colleges or universities may be used to meet the requirements. You must show proof the education credentials have been deemed to be at least equivalent to that gained in conventional U.S. education program. It is your responsibility to provide such evidence when applying.

While unofficial transcripts are acceptable for initial application, an official transcript will ultimately be required if you are selected for the position. You may submit a copy of your degree(s) if specific coursework does not have to be verified.

## **Background Checks & Security Clearance**

- Incumbent must have or be capable of obtaining and retaining a Top Secret/SCI security clearance.

- This position has been designated by the Air Force as a Testing Designated Position (TDP) under the Air Force Civilian Drug Testing program. The incumbent is subject to random testing for drug use.
- Position is subject to polygraph testing.

### **How You Will be Evaluated & Documentation Required**

In order to qualify for this position, your resume must provide sufficient experience and/or education, knowledge, skills, and abilities to perform the duties of the specific position for which you are being considered.

Your resume is the key means we have for evaluating your skills, knowledge, and abilities as they relate to this position. Therefore, we encourage you to be clear and specific when describing your experience. You should list any relevant performance appraisals and incentive awards in your resume as that information may be taken into consideration during the selection process. If selected, you may be required to provide supporting documentation. Your resume must show relevant experience, job title, duties and accomplishments. Your resume must show complete information for each job entry to support minimum qualifications. The following information should be provided in your resume, but it is acceptable to provide elsewhere in your application package: employer's name, starting and end dates (Month/Year), hours per week, and pay plan, series and grade level (e.g. GS-0201-09) for relevant federal experience.

Are you claiming membership in any professional organizations, or possession of a license, certificate or credentials? Check the Conditions of Employment section above to see if any are required. If you claim membership, license, certification, or credentials, you must submit a copy of said document in your application package.

As vacancies occur, the Human Resources Office will review your resume to ensure you meet the hiring eligibility and qualification requirements listed in this flyer. You will be rated based on the information provided in your resume, along with your supporting documentation.

If selected, you may be required to provide additional supporting documentation.

If after reviewing your resume and supporting documentation, a determination is made that you inflated your qualifications and/or experience, you may be found ineligible/not qualified.

Please follow all instructions carefully. Errors or omissions may affect your rating or consideration for employment.

All eligibility, qualification requirements, or other requirements must be met by the closing date of this announcement to be considered for any vacancies.

Are you an active duty service member? Active Duty Service Members are required to submit a statement of service printed on command letterhead and signed by the command. The statement of service must provide the branch of service, rate/rank, all dates of service, the expected date of discharge and anticipated character of service (Honorable, General, etc.).

Documents submitted as part of the application package, to include supplemental documents, may be shared beyond the Human Resources Office. Some supplemental documents contain personal information such as SSN and DOB and some documents such as military orders and marriage certificates may contain personal information for someone other than you. You may sanitize these documents to remove said personal information before you submit your application. You must provide an un-sanitized version of the documents if you are selected.

## Benefits

A career with the U.S. Government provides employees with a comprehensive benefits package. As a federal employee, you and your family will have access to a range of benefits that are designed to make your federal career very rewarding. [Learn more about federal benefits.](#)

## How to Apply

Interested employees are required to submit (1) a resume not to exceed 4 pages, (2) transcripts and (3) a written response not to exceed 2 pages addressing how you meet the qualifications and competencies required and why you wish to be considered for the position, to JL1 Talent Management and Compensation Branch, stratcom.south-potomac.jwac.list.jwac-jobs@mail.mil by midnight of the closing date. Applications will be rated, and top candidates may be interviewed for selection. This vacancy announcement may be used to fill multiple vacancies.

Failure to submit a complete application package will result in an ineligible rating and loss of consideration.

## Fair & Transparent

The Federal hiring process is setup to be fair and transparent. Please read the following guidance.

**Equal Opportunity Employment Policy:** The United States Government does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

- [Equal Employment Opportunity \(EEO\) for federal employees & job applicants](#)

## **Reasonable Accommodation Policy**

Federal agencies must provide reasonable accommodation to applicants with disabilities where appropriate. Applicants requiring reasonable accommodation for any part of the application process should follow the instructions in the job opportunity announcement. For any part of the remaining hiring process, applicants should contact the hiring agency directly. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

A reasonable accommodation is any change to a job, the work environment, or the way things are usually done that enables an individual with a disability to apply for a job, perform job duties or receive equal access to job benefits.

Under the Rehabilitation Act of 1973, federal agencies must provide reasonable accommodations when:

- An applicant with a disability needs an accommodation to have an equal opportunity to apply for a job.
- An employee with a disability needs an accommodation to perform the essential job duties or to gain access to the workplace.
- An employee with a disability needs an accommodation to receive equal access to benefits, such as details, training, and office-sponsored events.

You can request a reasonable accommodation at any time during the application or hiring process or while on the job. Requests are considered on a case-by-case basis.

Learn more about disability employment and reasonable accommodations (<https://www.opm.gov/policy-data-oversight/disability-employment/reasonable-accommodations/>)

## **Other Information:**

- This position is covered by the Department of Defense Priority Placement Program.
- Additional vacancies may be filled by this announcement.
- A tentative offer of employment will be rescinded if the selectee fails to meet the pre-employment requirements, including failure to report to any of the scheduled appointments.
- Relocation/recruitment bonus may or may not be authorized, if eligible.
- Relocation expenses (i.e., PCS) may or may not be authorized, if eligible.
- Vacancies filled from this announcement may be filled at any broadband level listed.
- If selected below the full performance level, you may be noncompetitively promoted to the next higher broadband level after meeting all regulatory requirements, and upon the recommendation of management. Promotion is neither implied nor guaranteed.

## **Legal & Regulatory Guidance**

### **Financial suitability**



(<https://www.usajobs.gov//Help/working-in-government/fairand-transparent/financial-suitability/>)

**Social security number request**

(<https://www.usajobs.gov//Help/working-in-government/fairand-transparent/social-security-number/>)

**Privacy Act**

(<https://www.usajobs.gov//Help/working-in-government/fairand-transparent/privacy-act/>)

**Signature & False statements**

(<https://www.usajobs.gov//Help/working-in-government/fairand-transparent/signature-false-statements/>)

**Selective Service**

(<https://www.usajobs.gov//Help/working-in-government/fairand-transparent/selective-service/>)