

Matthew Waage

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Data Scientist with Top Secret/SCI clearance specializing in building production-grade analytics and AI systems for large-scale Intelligence operations. Proven track record of deploying mission-critical applications, automating complex analytical workflows, and training technical and non-technical teams in Data and AI. Trusted advisor to senior leadership, translating advanced data science into operational and strategic decision advantage.

SKILLS

- Python, PySpark, Pandas, NumPy, Scikit-learn, Plotly/Dash, Matplotlib/Seaborn, Django, BeautifulSoup4
- Palantir Foundry, Project Volta DevSecOps Platform, Artificial Intelligence/Machine Learning
- Git, GitHub, GitLab, Linux, JupyterHub, SQL, Relational Databases, R, ggplot, PowerBI, Adobe Premiere

WORK EXPERIENCE

Enterprise Data Scientist (*Top Secret/SCI Clearance*)

January 2024 - Present

United States Army Intelligence and Security Command (INSCOM)

Fort Belvoir, Virginia

- Designed, developed, and deployed 11 applications within the Army Intelligence Data Platform (AIDP), automating analytical processes for Intelligence operations supporting the Army Military Intelligence Enterprise.
- Engineered data pipelines to aggregate, clean, transform, and fuse complex data sources together, delivering near-real-time Intelligence that supports global operations and results in thousands of Analyst hours saved daily.
- Led Data Science initiatives across INSCOM Major Subordinate Commands, resulting in the development and deployment of five operational dashboards that coalesce relevant information and accelerate decision-making between Analysts and leadership.
- Briefed complex technical Data Science efforts to senior Army and Joint leadership, ensuring complex concepts were communicated coherently, driving project alignment with strategic Army objectives.
- Developed Master Intelligence Data Strategy Course (MIDSC) curricula for AIDP developer applications, significantly contributing to the Army's Military Intelligence education for senior-level All-Source Intelligence Analysts.
- Planned and administered over 10 training events for Data Literacy 101 and AI Literacy 101 courses, equipping Army military, civilian, and contractor employees with the practical skills needed to interpret, analyze, and responsibly apply emerging tools and technologies like Generative AI.
- Created digital video content and other instructional material for 11 Data Science projects currently supporting Military Intelligence operations.
- Contributed to all phases of the Data Science development lifecycle, including data collection and analysis, leveraging expertise in diverse data types such as quantitative, streaming, structured, and unstructured data.

EDUCATION

Master of Science in Data Science and Analytics

University of Missouri

May, 2023

Columbia, Missouri

Bachelor of Arts in Sociology

Bachelor of Arts in Psychology

Columbia College

May, 2014

May, 2014

Columbia, Missouri

CERTIFICATES AND ACHIEVEMENTS

Outstanding Department of War Civilian Employee Award

Artificial Intelligence 101 - Train the Trainer Course

Data Literacy 101 - Train the Trainer Course

Fusion Analysis Development Effort (FADE/MIST) Training

AIDP and Project Volta Data Science Training

Department of the Army Certificate of Achievement

January, 2026

June, 2025

March, 2025

October, 2024

February, 2024

August, 2024

- Award recognizes Mr. Waage for the development, testing, and validation of a first-of-its-kind algorithm that automates a cumbersome manual process, saving Analysts thousands of hours daily.