



JOSEPH ROBINSON

OPERATIONS DATA SCIENTIST | APPLIED AI & DATA SYSTEMS

CONTACT

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Website
LinkedIn
Tableau Public
GitHub

EDUCATION

SYRACUSE UNIVERSITY

- Applied Data Science, MS, Jun 2026 | GPA 3.87

AMERICAN MILITARY UNIVERSITY

- Strategic Intelligence Studies, BA, Dec 2022 | 3.75 GPA

COMMUNITY COLLEGE OF THE AIR FORCE

- Intelligence Studies, AA, 2019

CERTIFICATIONS

- Google Data Analytics Professional
- Google Advanced Data Analytics Professional
- Google Business Intelligence Professional
- IBM Data Analyst Professional

CORE COMPETENCIES

- Operational Data Systems
- Applied AI Workflows
- Data Analysis
- Dashboard Design
- Process Automation
- Governance & Traceability
- Human-in-the-Loop AI
- Stakeholder Enablement
- Critical Thinking
- Technical Communication

TOOLS & LANGUAGES

- Python
- R
- SQL
- Oracle R12
- Tableau
- Google Apps Script
- Excel / Google Sheets
- GitHub

PROFILE

Operations Data Scientist and applied AI systems builder with 14 years of mission-critical U.S. Air Force experience and analytics experience in regulated industrial operations. Designs AI-enabled operational data systems that improve visibility, reviewability, and decision support across inventory, planning, pricing, compliance, and reporting workflows. Experienced in translating complex operational problems into practical data systems with strong attention to governance, traceability, and human-centered adoption.

SELECTED PROJECTS

Unified Inventory Integrity Platform — Air Liquide

- Designed an operational data system supporting inventory visibility, FEFO risk review, skipped-lot exception monitoring, and warehouse decision support; documented the work through a sanitized public-facing portfolio case study.

Geopolitical Force Projection NLP Analysis — Syracuse University

- Built a supervised NLP classification project in Python to classify geopolitical evidence passages by analytical role and source perspective; produced a final report, notebook PDF, and presentation materials.

WORK EXPERIENCE

Air Liquide

Operations Data Scientist JUN 2026 - PRESENT

Data Analyst SEP 2024 - JUN 2026

- Promoted to Operations Data Scientist after building AI-enabled operational systems supporting planning, inventory visibility, pricing review, compliance, and executive decision support in a regulated industrial environment.
- Built 9+ operational data tools and automated workflows across planning, inventory, warehouse capacity, pricing review, and compliance.
- Reduced recurring reporting and data-prep effort by 61 hours per week, approximately 3,172 hours annually.
- Returned 1.5 FTE of operational capacity and delivered \$116K+ in documented annualized efficiency value.
- Developed inventory and planning tools that improved exception monitoring, aging inventory review, capacity awareness, and cross-functional decision support.
- Created audit-support and compliance workflows that improved governance, traceability, review readiness, and structured business sign-off.

Oeson Learning

JUL 2024 - SEP 2024

Data Science Intern

- Completed end-to-end data science projects in Python and R, including analysis, visualization, and machine learning workflows.
- Built applied models and analytical reports focused on real-world business problems.
- Received formal mentor recognition for technical growth and applied problem-solving ability.

United States Air Force

NOV 2009 - NOV 2024

Tactical Systems Operator / Aircraft System Integration Expert

- Led a 55-member engineering team on a \$27.6M Special Operations aircraft upgrade under mission-critical timelines.
- Designed and instructed advanced systems-integration and communications workflows for joint-force operators and analysts.
- Built and optimized data and operational visibility systems supporting crisis response, compliance tracking, and readiness.
- Recognized for cross-functional leadership, systems thinking, and translating technical complexity into operational action.