ISIS LUNA ROSE

Data & Engineering Executive | Nerd Wrangler | Building Empowered Remote Teams
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Summary

Technical manager who transforms, stabilizes, and sustains orgs with automation, collaboration, data storytelling, and robust data science foundations for long-term success. Designs scalable processes and empowers teams to do their best work by creating an environment where engineers thrive and then getting out of their way. Known for effective leadership of distributed teams and nurturing resilient, high-trust cultures that maintain performance through change.

Key Achievements

- Implemented data governance and automated retention policies that cut storage/processing costs by **$650k+** annually and reduced analytics compute job costs by **94%**.
- Renegotiated contracts and usage patterns, lowering vendor expenses by **35%** YoY while preserving SLAs.
- Led a pipeline modernization project that reduced runtime by **50%** and compute cost by **40%**.
- Founded microservices study group, lightning talk club, an ERG, and numerous cross-team working groups.

Highlighted Skills

Leadership: technical team leadership | technical communication | people management | agile product management
Data: data strategy | data science | data analytics | machine learning | data storytelling | visualization | data governance
Languages & Tools: Python | Git | Tableau | Jira/Confluence | Miro | Excel | Databricks | PySpark | AWS | SQL

Awards, Recognition, & Speaking

- Corporate performance awards for data analytic support to people initiatives and data science leadership.
- Four separate awards for exemplary impact, leadership, and community-building.
- Government client award for exemplary contribution to the mission.
- Nominated for Booz Allen's Values In Practice (VIP) award, the firm's highest honor.
- Selected to present research findings at numerous scientific conferences.
- Data analysis & visualization work briefed to Congress and the White House.
- Developed and delivered in-depth multi-day data science training courses for the DoD.

Publications and Patents

Internet Monitoring and Alerting System (US Patent No. 9,032,518)	**2015**
Something is better than everything: a distributed approach to audit log anomaly detection	**2017**
Application of information diffusion in social networks	**2013**
Initial indicators of topic success in Twitter	**2013**
A framework for near real time event characterization within the Internet	**2011**

Education

New Mexico Institute of Mining and Technology, **Socorro, NM**
B.S. Mathematics with honors, Alumni Achievement Award
B.S. Environmental Science with honors

Professional Experience

MissionWired   remote; Albuquerque, NM   **2022–2025**

MissionWired is a 300-person digital fundraising strategy firm working with progressives and nonprofits.
Stack: AWS, Databricks, Python/PySpark, SQL, Tableau, Git, Jira/Confluence, VS Code, Terraform, Miro.

Head of Product/Senior VP, Technology & Engineering (Head of Engineering)   2024–2025
- Head of a 30-person multi-disciplinary department, partnering with CEO & CTO on engineering strategy.
- Modernized ML and data platform (Databricks/AWS) to handle 2024 election + EOY peak with a leaner team.
- Lead on technical cost management, legal compliance, and data product delivery strategy.
- Managed a team of a dozen direct reports, with about the same in skip-levels.
- Established measurable quarterly goals and KPIs for the department.

Vice President, Data Science (Director of Data Science)   2022–2024
- Matured hybrid data science team into specialized research and MLOps functions with durable practices.
- Coordinated between data science, data engineering, analytics, product management, and operations teams.
- Channeled the team's discontent with contentious layoff processes into productive, actionable future planning.

Booz Allen Hamilton   Washington, D.C.   **2017–2022**

Booz Allen Hamilton is a 34,000-person global leader in technical and management consulting since 1914.
Stack: Python, Git, Anaconda (Spyder/Jupyter), Tableau, Tableau Prep, Tableau Server, Visual Basic.

Senior Lead Data Scientist (Data Analytics Team Lead)   2021–2022
- Led a deep-dive ML-based study and modernized a complex suite of Tableau data visualization dashboards about promotion equity, which were rolled out broadly and briefed to seniormost government officials.
- Technical lead for the Motivation Menu, a corporate initiative that increased managerial trust for 4,000+ staff.
- Managed a growing team of 17 staff, including nurturing 3 growing managers.

Lead Data Scientist (Data Science Team Lead)   2017–2020
- Reduced the time to perform key assessments from 6+ months to a few weeks with a new NLP tool in Python.
- Performed and briefed survey analysis for the President's Daily Brief (PDB) director.
- Designed and executed a text analytics study presented to 30+ SNIS/General-level senior officials.
- Delivered an extensive data science readiness assessment and development roadmap for AFRICOM J22I. !

Institute for Complex Additive Systems Analysis   Socorro, NM   **2007–2017**

ICASA is a boutique academic analytics research organization supporting commercial and government clients.
Stack: Java, JFreeChart, MATLAB, in-house-developed visualization and analytical tools.

Research Scientist II (Program Manager)   2016–2017
- Managed diverse research projects, including requirements analysis, design, project management, and delivery.
- Represented the Institute at academic conferences, industry events, and directly with government clients.
- Spearheaded new business development initiatives.

Research Scientist/Specialist (Data Science Team Lead)   2010–2016
- Led teams of research scientists, data scientists, and software engineers.
- Developed mathematical models for critical infrastructure analysis. @