Knox Mueller

Data Scientist Principal

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STRENGTHS

Analytical Leadership
Supported initiatives through strong analytics, seamlessly integrating financial data into guiding strategies with confidence.

Innovation Mindset
Promoted novel solutions, leading teams toward implementing cutting-edge technologies within established frameworks.

Effective Communication
Bridged gaps between technical experts and non-technical stakeholders, ensuring clarity in shared data narratives.

Mentorship
Nurtured emerging talents, paving paths for career growth among upcoming analysts through guidance and best practices.

Collaboration
Unified diverse functional teams to achieve common analytical goals, effectively aligning objectives across various functions.

SKILLS

Python | SQL | Palantir Foundry | Databricks | Machine Learning | Statistical Analysis | Predictive Modeling | Data Visualization | Leadership | Data Quality | Revenue Management | Forecasting | Collaboration | Mentorship | Analytics Frameworks

SUMMARY

Results-driven Data Scientist with over six years of experience leveraging analytics and statistical modeling for strategic decision-making in commercial environments. Proven expertise in building scalable data solutions, mentoring teams, and fostering a culture around data-driven insights. History of successful collaboration across departments to translate complex data into actionable business strategies. Known for leading initiatives in revenue management and pricing frameworks that boost productivity and operational efficiency. Excited to bring this expertise into a leadership role focused on elevating analytics capabilities and delivering impactful results.

EXPERIENCE

Data Science Team Lead

Analytics Innovators | January 2022 - Present | Chicago, IL

Led a diverse team while developing innovative data science initiatives that significantly impacted revenue strategies and enhanced forecasting approaches.

- Spearheaded efforts to refine pricing strategies, boosting revenue through advanced analytics on key product lines.
- Collaborated closely with finance and sales teams, resulting in improved accuracy of forecasts by broadening analytical application.
- Established frameworks for predictive models that ensured their alignment with overarching business goals and end-user needs.
- Mentored aspiring data scientists, promoting best practices and ensuring knowledge transfer within the organization.
- Directed projects incorporating AI that streamlined operations within commercial analytics, enhancing overall productivity.
- Developed key performance indicators that showcased the tangible impacts of data initiatives on holistic organizational performance.

Senior Data Analyst

Insight Analytics Group | June 2019 - December 2021 | Evanston, IL

Focused on integrating data analysis into pricing and revenue strategies, collaboratively establishing robust data pipelines to streamline processes.

- Conducted comprehensive statistical analyses aiding in evolving pricing strategies that drove significant optimization.
- Designed scalable data infrastructures which elevated accessibility and usability of information across the enterprise.
- Facilitated workshops aimed at bolstering data literacy among stakeholders, advocating for technology advancement within industry practices.
- Worked in close partnership with IT to enhance data quality measures, reducing discrepancies across analytical platforms by notable margins.
- Delivered user-friendly dashboards that facilitated real-time data visualization, playing a vital role in empowering strategic planning initiatives.
- Presented multi-faceted findings to senior leadership, framing complex insights into clear recommendations aligned with company objectives.

Data Analyst

Data Solutions Co. | March 2016 - May 2019 | Naperville, IL

Contributed in-depth analysis of large datasets impacting strategic decisions while supporting collaborative cross-departmental projects.

- Analyzed expansive datasets to uncover trends and provide actionable insights that bolstered market growth.
- Played a crucial role in crafting predictive models that informed targeted marketing strategies, driving campaign success.

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Data Science Team Lead at Analytics Innovators (4.6 Years)
- Senior Data Analyst at Insight Analytics Group (2.5 Years)
- Data Analyst at Data Solutions Co. (3.2 Years)

- Assisted transition efforts towards cloud-based tools, standardizing data management and improving workflows.
- Fostered collaborations with different teams ensuring coherence between data methodologies and pivotal business goals.
- Documented intricate analysis processes adhering to compliance standards, ultimately providing robust support throughout audits.
- Engaged new talent through hands-on training regarding data methodologies and tools, solidifying department capabilities.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois - 2024
- Winner, Data Science Hackathon, 2025

EDUCATION

Master of Science in Data Science

University of Illinois GPA: 3.8 2026 Champaign, IL

Coursework: *Data Mining, Machine Learning, Statistical Analysis, Predictive Modeling*

CERTIFICATIONS

- Certified Data Scientist (CDS) 2026
- AWS Certified Solutions Architect 2026

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Data Platforms:** Palantir Foundry, Databricks
- **Machine Learning Tools:** TensorFlow, Scikit-learn, Keras
- **Data Visualization Tools:** Tableau, Power BI, Matplotlib
- **Statistical Techniques:** Regression, Time Series Analysis, A/B Testing
- **Cloud Computing Skills:** AWS, Azure, Google Cloud
- **Database Technologies:** MySQL, PostgreSQL, MongoDB
- **Project Management Tools:** JIRA, Trello, Asana
- **API Integration:** REST, SOAP, GraphQL
- **Big Data Technologies:** Hadoop, Spark, Apache Kafka

PROFESSIONAL AFFILIATIONS

- President, Data Science Club, University of Illinois
- Mentor, Women in Data Science Initiative

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST