Matt Oremland, PhD

Director of Analytics & Data Science

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PROFESSIONAL SUMMARY

Analytics and data science leader with 10+ years of experience building and scaling data organizations, embedding analytical capabilities into core business workflows, and partnering with executive leadership to drive data-driven decision-making. Strong technical foundation in Python, SQL, Snowflake, and predictive modeling combined with a track record of designing analytics infrastructure, establishing governance standards, and translating ambiguous business problems into reusable, production-grade data solutions. Experienced in leading cross-functional teams, setting technical standards, and scaling analytics capabilities to support organizational growth.

PROFESSIONAL EXPERIENCE

Redica Systems   2025 – Present

Director, Data Strategy & Analytics   *Remote*

- Lead analytics strategy and delivery for a life science platform, partnering with product and commercial teams to embed data-driven insights into core business and client-facing workflows
- Built risk-scoring models from scratch using Python and Snowflake, designing end-to-end pipelines from raw data ingestion through transformation, modeling, and operationalization
- Designed a reference data architecture to harmonize data from multiple sources into a unified framework, establishing governance standards and resolving complex data quality challenges
- Developed reusable Python tooling to standardize analytics output across the organization, reducing manual effort and enabling consistent, scalable reporting

Tidal Wave Analytics LLC   2023 – Present

Consulting Data Scientist   *Saratoga Springs, NY*

- Delivered end-to-end analytics and modeling engagements across multiple industries, owning full project lifecycle from scoping and requirements definition through deployment and production maintenance
- Built a production classification model and data pipeline for a SaaS platform using Databricks, running nightly with ongoing iteration - demonstrating ability to ship and maintain models in fast-moving product environments
- Built a consumer-facing daily puzzle game from scratch as a solo full-stack project - Python for puzzle generation, React/Node.js/Vite/Tailwind for the frontend, Google OAuth for authentication, and Supabase for backend - running daily with active users, demonstrating end-to-end product ownership in a consumer context
- Partnered with client engineering teams and VP-level stakeholders to translate business questions into analytical solutions, balancing technical rigor with speed of delivery

Gilead Sciences   2023 – 2024

Director, Data & Analytics (Medical Affairs)   *Foster City, CA*

- Defined and executed enterprise analytics strategy, aligning analytics roadmap with business objectives and serving as strategic advisor to senior leadership on data-driven decision-making
- Led development of a centralized data lake, designing data models and ingestion pipelines to support self-service analytics and reusable reporting across the organization
- Hired, developed, and led the internal analytics team, setting standards for dashboard quality, documentation, and analytical rigor
- Established data governance frameworks including metric definitions, data quality standards, and ownership models to ensure consistency and reliability across the organization

- Managed vendor relationships for analytics tooling, driving selection and integration decisions aligned with platform scalability and business needs

Takeda Pharmaceuticals

Associate Director, Digital & Data Science

2021 – 2022

Lexington, MA

- Led the digital and data science group and statistical monitoring function, setting technical direction and partnering with engineering on platform architecture and tooling decisions
- Embedded predictive modeling into manufacturing and quality decision-making workflows, ensuring analytical outputs drove operational action rather than just reporting
- Led semi-annual quality review meetings presenting data-driven assessments to executive leadership, demonstrating ability to translate complex analytical findings into business context
- Designed and implemented training and enablement programs to drive adoption of analytics capabilities across operational teams

Regeneron Pharmaceuticals

Senior Process Data Scientist

2016 – 2021

Rensselaer, NY

- Built and maintained automated data pipelines to ingest, transform, and serve process data from multiple systems, supporting both real-time monitoring and batch predictive analytics
- Developed and deployed production predictive models using ensemble methods, PLS, and PCA, iterating on model performance and expanding scope over time
- Set technical standards for data workflows and analytical frameworks within the team, mentoring junior analysts and ensuring modeling quality and reproducibility
- Promoted from Data Scientist to Senior Data Scientist based on expanded technical ownership and leadership contributions

EDUCATION

Doctor of Philosophy (PhD) in Mathematics

2014

Virginia Polytechnic Institute & State University

SKILLS & TECHNOLOGIES

Analytics & Data Science: Predictive Modeling • Machine Learning • Experimentation Design • Statistical Methods • Data Modeling • Production ML Systems

Programming & Platforms: Python • SQL • Snowflake • Databricks • AWS • Scikit-Learn • Pandas

Leadership & Organization Design: Team Leadership & Mentoring • Analytics Org Design • Technical Standards • Cross-Functional Partnership • Executive Stakeholder Management

Governance & Infrastructure: Data Governance • Data Quality & Validation • KPI Definition • Dashboard Development • Data Architecture • Vendor Management