

# Matt Oremland, PhD

*Assistant Vice President, Data Analytics*

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## PROFESSIONAL SUMMARY

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Senior analytics leader with 10+ years of experience driving enterprise data transformation in regulated industries, combining strategic vision with hands-on technical depth. Proven track record of building and scaling analytics teams, establishing data governance frameworks, and delivering predictive modeling and risk-scoring capabilities that directly inform business decisions. Experienced in partnering with cross-functional leadership to translate complex data into actionable insights, and in leading the transition from ad hoc reporting to scalable, self-service analytics environments across large organizations.

## PROFESSIONAL EXPERIENCE

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### Redica Systems

2025 – Present

*Director, Data Strategy & Analytics*

*Remote*

- Lead analytics strategy for a life science platform, partnering with product, commercial, and client-facing teams to define data requirements and deliver insights that drive business decisions across multiple stakeholder groups
- Built end-to-end risk-scoring models from scratch - a workflow directly analogous to underwriting and actuarial risk assessment - designing pipelines from raw data ingestion through quality remediation, modeling, and operationalization using Python and Snowflake
- Designed a reference data architecture to harmonize data from multiple external sources into a unified internal framework, solving complex integration and data quality challenges that mirror the third-party data enrichment and multi-source consolidation common in insurance analytics
- Developed reusable Python tooling to standardize analytics output and reporting, reducing manual effort and enabling consistent, scalable decision-support across the organization

### Tidal Wave Analytics LLC

2023 – Present

*Consulting Data Scientist*

*Saratoga Springs, NY*

- Delivered end-to-end analytics and predictive modeling engagements across multiple industries, demonstrating the ability to ramp quickly into new domains and apply consistent analytical frameworks regardless of vertical
- Built a production classification model and data pipeline for a SaaS platform using Databricks, running nightly with ongoing iteration - experience directly applicable to building and maintaining the kind of stable, trusted data environments that enterprise analytics depends on
- Partnered with client VP-level stakeholders and engineering teams to translate business questions into data solutions, balancing technical rigor with speed of delivery in fast-moving environments

### Gilead Sciences

2023 – 2024

*Director, Data & Analytics (Medical Affairs)*

*Foster City, CA*

- Defined and executed enterprise data and analytics strategy in a heavily regulated environment, serving as strategic advisor to senior leadership and aligning analytics initiatives with business objectives - a governance and compliance posture directly transferable to insurance operations
- Led development of a centralized data lake as the single source of truth for analytics, designing data models and pipelines to support self-service reporting and reduce reliance on ad hoc analysis
- Hired, developed, and led the internal analytics team, setting standards for reporting quality, documentation, and analytical rigor while fostering a culture of continuous improvement

- Established data governance frameworks including metric definitions, data quality standards, and ownership models - the same foundational capabilities required to ensure responsible data usage and compliance in a regulated financial services environment
- Managed vendor relationships for analytics tooling and third-party data integration, driving selection and configuration decisions aligned with scalability and business needs

## **Takeda Pharmaceuticals**

2021 – 2022

*Associate Director, Digital & Data Science*

*Lexington, MA*

- Led the digital and data science group and statistical monitoring function, providing cross-functional analytics leadership across manufacturing, quality, and operations - experience in driving analytics adoption across diverse business units with different data needs and priorities
- Implemented predictive modeling programs using machine learning to inform risk-sensitive quality decisions, applying the same statistical judgment and model selection discipline required for actuarial and underwriting analytics
- Led semi-annual executive reporting sessions presenting data-driven assessments to leadership, translating complex analytical findings into clear business context and actionable recommendations
- Designed training and enablement programs to drive analytics adoption across operational teams, building data literacy and self-service capabilities organization-wide

## **Regeneron Pharmaceuticals**

2016 – 2021

*Senior Process Data Scientist*

*Rensselaer, NY*

- Built and maintained automated data pipelines to ingest, clean, and transform data from multiple systems into analysis-ready formats - foundational data engineering experience applicable to building and sustaining enterprise data environments at scale
- Developed and deployed predictive models using ensemble methods, PLS, and PCA to forecast outcomes and optimize operations, demonstrating depth in selecting the right modeling approach based on business need and data maturity
- Mentored junior analysts and set technical standards for data workflows, contributing to a team culture of analytical rigor and continuous learning
- Promoted from Data Scientist to Senior Data Scientist based on expanded technical leadership and modeling scope

## **EDUCATION**

### **Doctor of Philosophy (PhD) in Mathematics**

2014

*Virginia Polytechnic Institute & State University*

## **SKILLS & TECHNOLOGIES**

**Analytics & Predictive Modeling:** Predictive Modeling • Risk Scoring • Machine Learning • Statistical Methods • Ensemble Models • Model Selection & Validation

**Data Engineering & Platforms:** Python • SQL • Snowflake • Databricks • AWS • Data Pipelines • Data Architecture

**Governance & Strategy:** Data Governance • Data Quality Management • KPI & Metric Definition • Compliance & Regulated Environments • Third-Party Data Integration

**Leadership & Organization:** Team Leadership & Mentoring • Cross-Functional Partnership • Executive Stakeholder Management • Data Literacy & Enablement • BI & Self-Service Analytics