Matt Watkins

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Summary

Data Scientist II with 5+ years of experience in data modeling, analytics, and pipeline development. Skilled in Python, R, SQL, and cloud platforms, with strengths in statistical modeling, NLP, and data integration. Adept at turning messy, multi-source data into actionable insights, building automated reporting systems, and collaborating across technical and non-technical teams. Recognized for adaptability, quick learning, and balancing hands-on technical work with strategic problem solving.

Professional Experience

Data Scientist II

Knowesis Inc. – Fort Campbell, KY | Jan 2021 – Present (promoted 2025)

• Designed and deployed analytics solutions for health and program evaluation datasets, including ROI modeling, financial flows, and program improvement analysis.

• Built and maintained ETL systems with SQL, R, Python, and SSIS, supporting automated data refresh and integration across multiple sources (CSV, logs, Excel, Access, PostgreSQL).

• Developed automated reporting and dashboards with Microsoft Power Platform (Power BI, Power Automate, Power Apps), improving access to insights for 50+ stakeholders.

• Applied machine learning and NLP methods to survey and text data, including clustering, classification, and early experimentation with transformer models.

• Led end-to-end projects as the sole data scientist at times: managing raw data ingestion, cleaning, modeling, visualization, and delivery of insights.

• Collaborated with leadership to align analytics with organizational goals and present findings in clear, actionable formats.

• Sponsored and onboarded new team members, supporting them in learning systems, routines, and workflows.

Adjunct Professor of Mathematics

Nashville State Community College – Clarksville, TN | Jan 2020 – May 2021

• Taught undergraduate Statistics, simplifying complex concepts for diverse groups of up to 40 students.

• Created and delivered course materials, including lessons, assignments, and assessments.

• Guided student projects and provided structured feedback to support academic growth.

Education

M.S. Computer Science & Quantitative Methods (Mathematical Finance), Austin Peay State University – 2019
B.S. Mathematics, Austin Peay State University – 2016

Technical Skills

Programming & Data: Python, R, SQL, C#, C++, VBA, PowerShell
Machine Learning & AI: scikit-learn, TensorFlow, PyTorch, Keras, NLP, clustering, classification, regression, forecasting
Data Engineering & Cloud: SSIS, PostgreSQL, MongoDB, MySQL, Docker, Kubernetes, Azure (Agile/DevOps), GCP (personal projects)
Visualization & Reporting: Power BI, Tableau, Shiny, Excel, Access
Other: ETL, data wrangling, data governance, APIs, Git/GitHub, project collaboration, financial analysis, mentoring

Certifications & Clearance

Secret Clearance
Driver's License