| Matthew Leichter  Senior Data Scientist  AI/ML Engineer | horizontal line Matthew Leichter 3540 Winding Drive, Lexington, Ky, USA  (323) 303-8062  Email: [matthew.leichter@gmail.com](mailto:matthew.leichter@gmail.com)  Portfolio: <https://matthewleichter.github.io> |
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| **ㅡ** Bio/**Skills** | horizontal line  **Bio**  Award-winning Data Scientist with 8+ years of experience in machine learning, statistical modeling, and end-to-end AI product deployment. Winner of HIMSS 2023 AI Model Competition. Specialized in Gen AI, agentic AI architecture, and forecasting using advanced AI/ML toolsets across cloud-native stacks. Scientific publication list available upon request.  **Technical Skills**  Programming: Python, R, SQL | ML/AI: XGBoost, Random Forest, Bayesian Forecasting, RNN, LSTM, Transformers, Neural Hawkes  Big Data: Spark, Hadoop, Azure Databricks, AWS Sagemaker, Redshift | Visualization: Tableau, Power BI, Seaborn, Matplotlib  MLOps: Docker, CI/CD, GitHub, Confluence, REST APIs, Streamlit Healthcare: ICD-10, CPT, DRG, CMS, NCQA, URAC, HEDIS, ERISA |
| **ㅡ** **Experience** | horizontal line Senior Data Scientist – Theoris Consulting (Eli Lilly) Oct 2024 – Present  • Built Healthcare Co-Pilot chatbot with blockchain-secure EHR data transfer (AWS SageMaker, Docker, Redshift) • Forecasted medical trends with Bayesian MCMC, ARIMA, multiple imputation & bootstrapping • Deployed predictive models with lambda endpoints and CI/CD pipelines for Redshift dashboards Senior Data Scientist – Vega Consulting (FEPOC / CareFirst) Jan 2024 – Aug 2024  • Designed fraud detection system using HMM + Probabilistic Graph Models with 94% accuracy (Medicare, Commercial) • Built LLM-powered chatbot using LlamaIndex, BERT, AWS Bedrock & Comprehend Medical • Developed ARIMA-RNN models for Medicare call center life cycle & fraud prediction Senior Data Scientist – UC Davis Medical Center Jun 2022 – Sep 2023  • Created dynamic pipelines in Azure for Epic-based population risk modeling & admissions forecasting (ARIMA, LSTM, VAR) • Boosted emergency department model AUC from 76% to 89% using GANs + multi-imputed datasets • Led CI/CD pipelines and Epic Cloud integration with Docker, Git, Python, Flask APIs Lead Data Scientist – Quantiphi Inc./UC Davis Coordination Jun 2022 – Apr 2023  • Built traffic forecast models for hospitals & retail (LSTM, ARIMA, DTW); optimized memory usage for Epic APIs • Designed transformer‑based crypto trading bot for institutional client Lead Data Scientist – Chec Labs | Verana Health | SlingTV 2019 – 2022  • Built chatbot (Word2Vec, Bert), fraud detection (SMOTE), and NLP recommender engines (SlingTV) • Created churn models, bandwidth estimators, and webscrapers; deployed across AWS & GoLang |
| **ㅡ** **Education** | horizontal line University of Middle Tennessee/ Doctorate Degree - Data Science and Computational StatisticsADMITTED FOR JANUARY 2026 PROGRAM - CURRENTLY ENROLLEDUniversity of Kentucky / Master’s Degree - StatisticsAUGUST 2005 - MAY 2008, LEXINGTON, KYUniversity of Kentucky / Bachelor’s Degree - Mathematical FinanceAUGUST 2001 - AUGUST 2005, LEXINGTON, KY |
| **ㅡ** **Awards/Certifications** | horizontal line  • AWS Certified Machine Learning Specialist  • Microsoft Azure Data Scientist Associate  • Google Deep Learning Specialization (Andrew Ng, Coursera) |