**WORK EXPERIENCE**

**Data Scientist** | US AI | North Bethesda, MD | April 2024 - Present

* Team lead for US AI’s Forsight platform, a low-code AI/ML and data pipeline solution; oversee product strategy, engineering execution, and cross-functional alignment
* Independently developed, deployed, and maintained a production-grade generative AI system for analyzing client cybersecurity compliance posture, processing sensitive and classified data and generating $750K+ in annual revenue
* Redesigned US AI’s model serving architecture using clean code principles and scalable design patterns (Factory, Adapter), enabling modular self-hosting of 100+ ML algorithms and nearly 100 LLMs
* Led R&D initiative to train a large language model from scratch via distributed training on a 20-node Kubernetes cluster; productionized the pipeline as a reusable training feature within the Forsight platform
* Act as technical SME and solutions architect in client and investor meetings, driving AI adoption and contributing to multimillion-dollar sales and funding outcomes

**Data Science Consultant** | Haver Analytics | New York, NY | September 2023 - March 2024

* Built a proof-of-concept model to classify B2B sales opportunities as wins/losses using deterministic and probabilistic methods in Python and Excel
* Designed two interactive GUIs to help the sales team perform individual sales predictions and assess overall pipeline health
* Led full data lifecycle from collection and cleansing to analysis and model delivery, ensuring actionable insights for sales strategy

**Economic Database Consultant** | Haver Analytics | New York, NY | January 2022 - March 2024

* Trained teammates and led high-priority, complex projects involving financial time series data
* Developed and implemented solutions for team-specific database issues, improving data integrity
* Conducted research of macroeconomic indicators to update regional databases with critical time series
* Performed QA using a mix of tools: Python, Excel Macros, EViews, and MS-DOS batch files

**Economic Database Manager** | Haver Analytics | New York, NY | *July 2018 - January 2022*

* Self-taught Python to automate internal workflows, reducing task runtimes by 25–99%
* Managed and mentored research assistants to maintain high standards of data accuracy and efficiency
* Expanded Australia Regional database by 64,000+ time series, directly contributing to revenue growth through upsells and prospecting

**EDUCATION**

**Master of Science, Data Science** |Rochester Institute of Technology | December 2023

**Bachelor of Science, Economics** | Pennsylvania State University | May 2017

**Bachelor of Science, Biology** | Pennsylvania State University | May 2017

**SKILLS** **/ TECHNICAL PROFICIENCIES**

**Languages:** Python, Bash

**Frameworks/Libraries:** Pandas, NumPy, Scikit-learn, PyTorch, Transformers, FastAPI, vLLM, Accelerate, DeepSpeed, Matplotlib, Seaborn, NetworkX, DeepEval

**Tools/Infrastructure:** Kubernetes, Docker, Podman, GitLab

**Platforms / Suites:** Hugging Face Hub, Microsoft Office, Google Workspace

**Databases:** MongoDB, PostgreSQL

**Concepts / Practices:** LLMs, NLP, Distributed Training, Parameter Efficient Fine-Tuning (PEFT), Prompt Engineering, Retrieval Augmented Generation (RAG), NoSQL, SQL, Vulnerability Management