Elias Vance

Role: Senior Data Scientist | **Focus:** Predictive Modeling & MLOps

Summary

Highly accomplished **Senior Data Scientist** with **5 years** of hands-on experience in developing, validating, and deploying large-scale predictive **Machine Learning models** for financial risk and customer behavior analysis. Expertise in **Python** (Pandas, Scikit-learn) and **TensorFlow/PyTorch**. Proven track record in cloud-based model deployment and lifecycle management, specifically utilizing **Azure ML Services**. Seeking to leverage advanced statistical and MLOps skills at Global Insights Corp.

Professional Experience

Senior Data Scientist

Fidelity Analytics | 2021 – Present (4 years)

- Led the end-to-end development and production deployment of 4 critical **classification** and **regression** models to predict loan default risk, resulting in a 15% reduction in high-risk approvals.

- Conducted rigorous **Exploratory Data Analysis (EDA)** and engineered features from 10+ disparate datasets using **Python** (Pandas, NumPy) and complex **SQL** queries.

- Managed the model lifecycle, integrating models into the core platform using **Azure ML Services** for CI/CD and monitoring.

- Designed and executed several **A/B tests** to measure the incremental value of new model features, improving prediction accuracy by over 5%.

- Regularly presented technical model findings, performance metrics, and business impact to C-level executives.

Data Scientist

Innovate Data Labs | 2020 – 2021 (1 year)

- Developed **time series** forecasting models using **PyTorch** to predict supply chain demand, reducing inventory waste by 8%.

- Collaborated with engineering teams to set up initial model API endpoints for product integration.

Skills & Technologies

Category	Skills
Languages	**Python** (Expert), R, **SQL** (Expert), Scala
ML Frameworks	**TensorFlow, PyTorch**, Keras, **Scikit-learn**
Data Tools	Pandas, NumPy, Spark, **Statistical Modeling**, A/B Testing
Cloud/MLOps	**Azure ML Services, Azure DevOps**, Docker, Git
Methodology	Agile/Scrum, Experimental Design, **Ethical AI** principles
Soft Skills	**Presentation/Communication**, Technical Leadership, Stakeholder Management

Education

Master of Science in Data Science (M.S.)

- Carnegie Mellon University | Graduated: 2020

- Relevant Coursework: Advanced Statistical Methods, Deep Learning, Applied Econometrics