Taylor Morgan

https://www.linkedin.com/in/taylor-morgan-analytics/

Email : tmorgan.analytics@gmail.com
Mobile : 917-555-2291

PROFESSIONAL SUMMARY

Highly analytical Data Scientist with 6+ years of experience designing machine learning systems, building scalable data pipelines, and developing predictive models for enterprise environments. Expertise in statistical modeling, experiment design, and turning ambiguous business questions into actionable insights. Passionate about delivering measurable business impact through data.

EDUCATION

- **Carnegie Mellon University** — Pittsburgh, PA
  M.S. in Data Science — *2018 – 2020*
  - **Coursework:** Deep Learning, Machine Learning, Distributed Systems, Time Series Analysis, Bayesian Methods
- **New York University** — New York, NY
  B.S. in Applied Mathematics — *2014 – 2018*
  - **Honors:** Graduated Magna Cum Laude; Dean's List (6 semesters)

EXPERIENCE

- **Apex Solutions** — New York, NY
  Senior Data Scientist — *2022 – Present*
  - **Fraud Detection Platform:** Designed ensemble ML models (XGBoost, CatBoost, LSTM) that reduced false positives by 34% while maintaining detection accuracy above 96%.
  - **Data Pipeline Architecture:** Built real-time feature computation pipelines using Spark Streaming + Kafka, enabling sub-second scoring latency.
  - **Experimentation Framework:** Developed A/B testing system supporting 400k+ weekly users; implemented CUPED variance reduction lowering sample size needs by 18%.
  - **Collaboration:** Partnered with engineering and PM teams to productionize ML services impacting $22M+ ARR.
- **BrightWave Analytics** — Chicago, IL
  Data Scientist — *2020 – 2022*
  - **Churn Prediction:** Built and deployed churn models achieving AUROC 0.91; results informed strategy that increased customer retention by 11%.
  - **NLP Pipeline:** Created automated text classification + sentiment pipeline for 5M+ monthly support tickets; reduced manual tagging time by 70%.
  - **Feature Store:** Implemented centralized feature store using Feast + BigQuery, improving model reuse and experiment reproducibility.
- **Vertex Financial** — Remote
  Data Analyst — *2018 – 2020*
  - **Reporting Automation:** Developed automated Tableau + SQL reporting workflows saving 25 hours/week of manual labor.
  - **Risk Modeling:** Built logistic regression and gradient boosting models to identify risk-prone accounts with 82% precision.
  - **Data Governance:** Established data validation rules and monitoring dashboards; reduced data quality issues by 40%.

PROJECTS

- **End-to-End Recommendation System:** Designed collaborative filtering + BERT-based hybrid recommender for an e-commerce dataset; increased precision@10 by 17%.
- **Financial Time Series Forecasting:** Built LSTM + Prophet hybrid models predicting stock volatility; delivered 9% improvement over baseline.
- **Healthcare Predictive Analytics:** Developed hospital readmission prediction model using LightGBM and SHAP interpretability.

CERTIFICATIONS

- **AWS Certified Machine Learning – Specialty:** Issued 2023
- **Google Professional Data Engineer:** Issued 2022
- **TensorFlow Developer Certificate:** Issued 2021

ACHIEVEMENTS

- **Top 2% Global Rank:** Kaggle "Tabular Playground" competition
- **Best Data Innovation Award:** Apex Solutions Annual Engineering Awards, 2023
- **Invited Speaker:** PyData Chicago 2022 – Presented talk on scalable ML deployment

SKILLS

- **Programming:** Python, R, SQL, Scala, Bash

- **ML/Stats:** XGBoost, CatBoost, LightGBM, Neural Networks, Feature Engineering, Bayesian Modeling

- **Data Tools:** Spark, Kafka, Airflow, DBT, BigQuery, Snowflake

- **Visualization:** Tableau, Power BI, Plotly, Matplotlib

- **Cloud:** AWS, GCP, Docker, Kubernetes

- **Other:** Git, CI/CD, Linux, Experimentation Frameworks