Vincenzo Palazeti, M.Sc.

website
linkedin
vinnie.palazeti@indystats.com

About

In my career, I have engineered numerous performant, production Machine Learning products for Fortune 500 companies. I am formally trained in statistics & probability theory, and through experience have attained software engineering best practices. I thrive in environments with diverse, talented teams focused on solving difficult & novel problems.

Skills

Python | SQL | MongoDB | R | bash | git

Machine Learning | Probability | Data Visualization | Statistical Inference | Bayesian Statistics | A/B Testing | Forecasting

AWS | Azure | Docker | Redshift | Airflow | Looker | Snowflake | Spark | PyTorch | dbt | MLFlow | Kubernetes | CI/CD | Tensorflow

Experience

Vevo

Data Scientist — 03/2023-Present

- Developed & Lead organization's first A/B Test framework, experimental design, and statistical/causal interpretation
- Designed, implemented, & maintained machine learning forecasting applications for Ad Inventory, Impressions, Viewership, & Revenue
- Guided company business strategy & defined critical KPIs in transition to programmatic ad-serving on FAST channels and led theoretic understanding of new paradigm
- Delivered intuitive reports, data visualizations, and KPIs to both technical & business team members
- Built full stack internal operations software, saving $200,000 and improving company communication
- Theorized, Implemented & Oversaw online experiments on O&O platforms and advised proper estimand measurement & interpretation
- Designed business critical Looker Explores & recruited cross-company stakeholders to leverage newly available insights
- Constructed & Optimized memory intensive, large scale Redshift SQL queries (1B+ rows)

Indy Stats

Machine Learning Engineer — 01/2020-03/2023

- Built Automotive Demand Forecasting (50,000+ SKUs) application for Fortune 500 company, leveraging Spark distributed computing
- Developed meta analysis error reduction model mapping procedure to select best possible model for demand forecast
- Managed MLOps orchestration of large scale distributed compute & cluster configuration to reduce costs and increase performance
- Designed, Built, and Maintained a large scale ML Ranking Algorithm & data pipeline for horse race wagering application
- Lead group of junior data scientists through various research projects providing technical mentorship
- Extracted novel & critical insight from dataset which lead to a substantial increase in model performance & yield
- Owned the full lifecycle of a sports-wagering application, including data pipelines, training ML models, cross validation, prediction delivery, and live maintenance
- Developed complex NoSQL MongoDB Data Pipelines
- Created AWS Sagemaker, Tensorflow, Modern Feature Selection, and Model Evaluation documentation

Magna Powertrain

Finance Team — 06/2017-01/2019

- Organized & Secured $2 Million obsolescence claim for GM production line
- Maintained financial documentation of CapEx & Capital Assets throughout their lifecycle
- Priced & planned aftermarket sales for multiple plants

Master of Applied Statistics

Loyola University Chicago

Bachelor of Professional Selling

Ball State University

September 2019 - December 2020

September 2013 - December 2017