# Vincenzo Palazeti, M.Sc.

website
linkedin
vinnie.palazeti@indystats.com

## About

As a Data Scientist, I creatively & flexibly solve business critical problems. I am formally trained in statistics & probability theory, and have developed software engineering best practices throughout my career. I've taken many machine learning applications through their full lifecycle development. I thrive in environments with diverse, talented teams focused on solving difficult & novel problems.

| Skills | | | Languages | | | Tools | | |
|---|---|---|---|---|---|---|---|---|
| Forecasting | Machine Learning | Timeseries | Python | SQL | MongoDB | AWS | Airflow | Databricks |
| MLOps | A/B Testing | Experiments | R | bash | Javascript | Redshift | Docker | Spark |

### Vevo

Data Scientist — 2023-Present

- Designed, implemented, & maintained machine learning forecasting applications for Ad Inventory, Impressions, Viewership, & Revenue
- Developed novel experimental design methodology to analyze the Youtube Algorithm
- Guided company business strategy through transition to programmatic ad-serving on FAST channels and led theoretic understanding of new paradigm
- Constructed & Optimized memory intensive, large scale Redshift SQL queries (1B+ rows)
- Engineered robust, performant Data Models to deliver accurate & timely data to stakeholders
- Designed business critical Looker Explores & recruited cross-company stakeholders to leverage newly available insights

### Consultant

Data Scientist / Engineer — 2021-Present

- Built production Demand Forecasting application (50,000+ SKUs), leveraging Spark & Databricks distributed computing
- Developed meta analysis error reduction model mapping procedure to select best possible model for demand forecast
- Advised experimental design, estimand measurement, & casual considerations for hospital studies
- Managed MLOps orchestration of large scale distributed compute & cluster configuration to reduce costs and increase performance
- Created LLM-RAG natural language interface for NLRB case database with 60K+ pdf documents & millions of tokens

### Alpha Peak

Data Scientist — 2022-2023

- Designed, Built, and Maintained a large scale ranking algorithm & data pipeline for horse race wagering application
- Uncovered codebase bug which required complete overhaul
- 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

### Sports Betting Innovative Analytics

Data Scientist — 2020-2022

- 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 Pipeline
- Created AWS Sagemaker, Tensorflow, Modern Feature Selection, and Model Evaluation documentation
- Delivered intuitive reports, data visualizations, and KPIs to both technical & business team members

### Master of Applied Statistics

Loyola University Chicago

September 2019 - December 2020

### Bachelor of Professional Selling

Ball State University

September 2013 - December 2017