Matt Fergoda

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Data Scientist   **Aug. 2022 - April 2023**
Advata

- Own the development and productionization of ML models for finding the root causes of healthcare claim denials for customers across 13 health systems nationally affecting billions of dollars of customers' annual revenue.
- Present the results of analyses to technical and non-technical audiences.
- Quickly prototype solutions in Python using tree-based ensemble models, neural networks, unsupervised methods, statistical tests, forecasting models, explainable-AI methodologies, and more.
- Manage collaboration between product and engineering teams to execute data science projects.

Data Scientist   **May 2021 - July 2022**
Valence Consulting

- Own the development of predictive ML models for healthcare revenue cycle management related to claim denials for one of the largest healthcare systems in the country.
- Use Azure Databricks to perform ETL workloads, develop ML pipelines, and extract actionable insights involving hundreds of millions of rows.

Data Scientist   **Aug. 2018 - April 2021**
Hitachi Consulting

- Work with industry-leading manufacturing companies to design, develop, and deploy ML models for predictive maintenance and machine vision using R and Python ML stacks.
- Contribute data visualizations and original analyses to a Fortune 500 software company's monthly marketing performance reports to the Chief Marketing Officer and marketing VPs across three lines of business.

PROFESSIONAL DEVELOPMENT & EDUCATION

Programming Languages: Python (7 years), R (3 years), SQL (4 years)
Data Science Tools: pandas, Sci-Kit Learn, XGBoost, SHAP, Tensorflow, PyTorch, statsmodels, mlxtend, matplotlib, seaborn
Data Engineering Tools: Databricks, Pyspark, SQL, Azure Data Factory

University of Puget Sound, Tacoma, WA   Sept. 2014 - May 2018
Bachelor of Science, Physics, Summa Cum Laude

Additional Continuing Education: Deep Learning Specialization @ DeepLearning.AI, Machine Learning @ Stanford University, Probability & Statistics @ UW Seattle