Jack Quick

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EDUCATION

UNIVERSITY OF MINNESOTA, Minneapolis, MN
Carlson School of Management
Master of Science in Business Analytics, GPA: 3.7 August 2020
College of Science and Engineering
Bachelor of Science – Statistics May 2016

TECHNICAL SKILLS

- Programming Languages: Proficient in R, Python, SAS and SQL. Experience with Spark SQL, PySpark, and ECL
- Programs and Environments: Proficient in RStudio, Jupyter Notebooks, Dataiku, Microsoft SQL Server and Microsoft Office products. Experience with Amazon Web Services, Microsoft Azure, and Power BI

EXPERIENCE

LexisNexis Risk Solutions, Remote
Senior Data Scientist II July 2024 - Present

- Built and manages a Power BI Claims Comparison dashboard that aggregates and compares an individual home insurance carrier's claim attributes against the Top 10 carriers of the industry, streamlining the claims comparison process so that the data for all carriers is available instantaneously, and frees up capacity for other Data Scientists
- Identifies relevant home property characteristics that are most likely to be predictive of a home insurance claim or loss, and provides decision criteria as business rules to insurance carriers for when they should require a home inspection
- Tests external vendor data and compares it against current internal data by quantifying the lift adding the external data would provide to our data coverage, and presents findings to senior leadership of the Property Analytics team

AMERIPRISE FINANCIAL, Minneapolis, MN
Senior Data Scientist February 2022 – July 2024

- Managed traditional end-to-end data science projects, built Machine Learning models, and performed ad-hoc analyses using Python, Spark SQL, R, PySpark and an assortment of other analytical languages and platforms by leveraging the Ameriprise Data Lake to deliver actionable insights to business partners of the Ameriprise Enterprise Data Analytics & Insights organization as part of the Marketing Analytics team
- Recommended optimal courses of action to be taken based on data driven facts and statistical evidence to drive client retention and acquisition
- Ensured all Machine Learning models are documented and compliant with Ameriprise Model Risk Governance standards

UNITEDHEALTHCARE, Minnetonka, MN
Healthcare Economics Consultant July 2021 – February 2022

- Executed and edited SAS programs used to migrate data from multiple sources, calculate several metrics and generate performance reports for the UnitedHealthcare Hospital Performance Based Compensation (HPBC) program

DATA SCIENCE PROJECTS

Three Random Forest Models to Predict Which Clients Were Most Likely to Visit Ameriprise Digital Platforms

- Build three separate Random Forest Machine Learning models using internal Ameriprise data to predict which clients are most likely to visit the Ameriprise Secure Site, Public Site, and Mobile App given historical digital platform, product, and demographic data

Random Forest Model to Identify Client Groups Most Likely to Succeed for Ameriprise Advisor Center

- Build a Machine Learning model to identify client groups that might benefit and become successful by being transferred to the Ameriprise Advisor Center (AAC) out of over 2.4M clients by defining Success and identifying Successful Clients among those who have already been transferred to the AAC

Impact of Investment Performance and Fees on Client Attrition for Ameriprise Wealth Management

- Leveraging 2021 and 2022 customer data, identify unique client profiles which exhibit significantly higher rates of attrition using investment performance through tests of statistical significance and regression analysis, as well as measure the gain of adding investment performance metrics to Attrition Intelligence predictive models in Dataiku