Michael Kanneth

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Education

Rensselaer Polytechnic Institute (RPI) Troy, NY

Masters of Science: Quantitative Finance & Risk Analytics May 2017

Dual Bachelors of Science: Aeronautical and Mechanical Engineering – Minor in Economics May 2016

Professional Experience

Reserv San Francisco, CA

Data Scientist 2023 – Present

- Designed, built and productionized an LLM claim summarizer model utilizing AWS Bedrock & OpenAI endpoints. Model scanned for new notes, emails and call recordings and automatically adjusted each claim summary.
- Developed and maintained new financial ETLs that cleaned/aggregated individual financial transactions for claims/exposures. Provided adjusters with the ability to see a claim's financials at intermediate intervals and receive alerts based on financials.
- Managed new client onboarding from a reporting & analytics perspective. Mapped client requested fields to internal fields and created new reporting scripts to client specifications. Reports provided each client with custom daily/weekly/monthly reports.
- Maintained monthly Bordereau reporting scripts for 20+ clients. Built Looker dashboards to validate necessary data ahead of reporting schedules to reduce missing/erroneous data making it to clients.
- Built an NLP model to identify key words/phrases that indicated high risk claims, resulting in adjusters being able to more immediately respond to claims that could escalate.

Upstart San Francisco, CA

Data Analytics & Strategy, Auto Retail 2022 – 2023

- Designed a machine learning model to predict churning customers with >70% accuracy. Utilized the Scikit-learn Python package to create the Auto Retail team's first predictive churn model via random forest machine learning. Allowed the customer success team to proactively reach out to customers at risk and limit actualized churns
- Developed & maintained a tiered target list for new Auto Retail dealership targets based on loan origination volume and credit score across +70K dealerships in the United States. Enabled sales to more effectively target higher value potential clients
- Created a Jupyter script to connect internal salesforce customer data to external third-party US dealerships data. Leveraged Natural language processing to match external dealership data to internal Salesforce data.
- Helped extract and analyze data directly from data warehouse, ultimately providing Auto Retail leads with insights not seen before due to data being inaccessible. Leveraged SQL & dbt to independently query AWS Redshift for raw, unorganized internal datasets.

Indeed New York, NY

Analyst, Client Strategy & Insights 2020 – 2022

- Supported clients across various industries and verticals to improve or meet their total applicant goals by utilizing both Indeed industry data as well as client performance data on Indeed to identify application funnel pain points
- Managed data analysis (SQL data pulls/analyses, tableau dashboard creation, excel analyses) as well as constructed and presented client pitch decks for a book of ~20 enterprise level clients
- Performed micro market analyses to determine optimal locations for client job targeting based on job seeker availability, competitor activity, cost and forward-looking trends in client's industry

ZS Associates Consulting New York, NY

Decisions Analytics Associate Consultant 2017 - 2020

- Developed a quantitative forecast model to evaluate the global revenue of a new oncology product to assist in client's global launch strategy; conducted qualitative and quantitative market research to estimate inputs into forecast model and deliver final projections
- Performed qualitative / quantitative research through both physician / patient interviews to assess the market for a client's new depression treatment; final report stratified various physician/patient types by the financial opportunity they each represented
- Aided two separate Fortune 500 pharmaceutical companies with the restructuring and optimization of each of their respective sales forces to minimize operating costs while retaining salesforce reach and effectiveness. Utilized physician & patient geographic density data to analyze where most significant medical workload was present and where sales reps would have highest engagement

Pratt & Whitney East Hartford, CT

Aerodynamics-Thermodynamics Engineer Intern 2014-2015

Technical Skills

Software: Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow/Keras), Tableau, Looker, dbt, AWS Bedrock, OpenAI API, MySQL/PostgreSQL, Linear & Logistic Regression, Decision Tree/Gradient Boosting