Siyi Ji

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SUMMARY

- Results-driven data analyst with 5+ years in product development at top tech/finance companies. Proven ability to influence design through data insights, translate complex questions into actionable analysis, and deliver impactful results.

EXPERIENCE

Data Analyst — May 2022 – May, 2025
TruinitySoft — *Pittsburgh, PA*

- Led the team of 4 on creating the **roadmap** of launching the 2nd generation Smart Glass to streamline the launching process, decreased the launching time by 10%
- Identified the key testing metrics (**KPI**) including pass rate, error rate and testing time in order to ensure the consistent quality check standard cross 5 different teams
- Automated the **PowerBI** dashboard for wake words testing by feeding the **ETL Python** pipeline script and analyzed the trend of the metrics fluctuation in a weekly basis
- Collected the customer feedback and collaborated with engineering team to fix ad-hoc technical issues, increased customer satisfaction by 35%

Data Analyst — Sep 2021 – April 2022
Transamerica — *Baltimore, MD*

Enhancement of Data Pipeline

- Monitored difference of daily transaction data generated between the model in AWS environment and Hadoop and identified discrepancy between two models
- Collaborated with legal team on aligning 4+ key metrics including current position, delta and Vega etc. to evaluate the performance
- Created the data pipeline to migrated and process the data from AWS S3 into AWS Glue and aggregated the data using PySpark, achieved the data accuracy for 98%
- Deployed the scripted into the pipeline with engineering team, improved data pulling efficiency by 10+ times

Customer Churn Forecasting Analysis

- Extracted and transformed 5GB+ customer data with Google BigQuery and Python from 3 different data sources
- Identified 10+ important features related to promote customer churn in logistic regression, achieved AUC =0.86
- Led the team of 5 to analyze how multiple factors interactively affects customer churn behaviors and optimized the marketing campaign, increased the retention rate by 2%

TECHNICAL SKILLS

Data Analytics: A/B Testing, Casual Inference, Tableau, PowerBI, SAS, Google Analytics, MS Excel
Machine Learning: Python (Scikit-Learn) - Predictive Modeling, Hypotheses testing, Regression Analysis
Database Processing: SQL (MySQL, NoSQL, SQL Server, Oracle SQL) , AWS S3, Google Cloud BigQuery

EDUCATION

Georgia Institute of Technology
MS Computer Science — *July 2024 - Present*

University of Virginia (UVa) — Charlottesville, VA
MSc Statistics, GPA: 3.7/4.0 — *Sep 2018 - Dec 2019*

London School of Economics (LSE) — London, UK
BSc Actuarial Science, GPA: 3.6/4.0 — *Sep 2015 - July 2018*