JINGHUIYU YANG

Pittsburgh, Pennsylvania ✉ jinghuiy@andrew.cmu.edu ☐ (412) 758 – 1268 ⊡ in/jing-yang-588162221/

CAREER SUMMARY

Growth-focused Data Scientist with a two-year achievement record. Talented analyst, has a verifiable record of manipulating heavy data sets and creating innovative models that translate data into actionable intelligence. Proficient at conceptualizing innovative data and analytics solutions that generate critical business insights, facilitate informed decision-making, and improve critical systems and workflows. Exceptionally dedicated professional with impressive organizational, communication, and relationship-building skills.

Core Areas: Agile Methodologies, Algorithms, Analytics, Business Analysis, Business Intelligence, Data Modeling, Data Science, Deep Learning, Econometrics, Forecasting, Machine Learning, Project Management, Reporting, Statistics, Visualizations
Languages: Python (scikit-learn, NumPy, pandas, PyTorch), Java, Scala, Linux, SQL, Excel
Database: Hadoop (MapReduce, HBase, Hive), Flink, Spark
Statistical Analysis/ML: Clustering, Regression, Classification, Neural Networks, A/B Test, AWS
Visualization: Tableau, Power BI

EDUCATION

Carnegie Mellon University, MS of Information System Management, Heinz College | Dec 2022
- Focus in Business Intelligence & Data Analytics;

JiLin University, BS of Applied Finance, China | Jul 2020
- GPA: 3.9/4.0 (Rank: Top 5%);
- Honors: Outstanding Graduates in 2020 (Top 8%), Excellent Student in National Competition Event Team (Top 10%);

PROFESSIONAL EXPERIENCE

Data Scientist, Sumscope, Shanghai | May 2020 – Jul 2021
- Provided comprehensive analytical support to multiple teams and clients, transforming data into intelligence, and outlining business/system improvement opportunities.
- Designed and developed customized data analysis, processing, quality, and visualization solutions depending on stakeholder needs.
- Leveraged various tools to build models & dashboards, write reports, produce visualizations and communicate operational/business insights.
- Created optimized data pipeline to extract and load raw data from multiple streams, enabling daily automatic execution.
- Pioneered Recommendation System application to Quebee and initiated the "Smart Bond" module, accurately recommending bonds to brokers based on previous trading preferences, and facilitating high-frequency, multi-frequency trading.
- Spearheaded a dashboard in Tableau to monitor the timeliness of data transmission from remote databases, slashing 75% of the time manual inspection and significantly improving user experience satisfaction.
- Leveraged predictive modeling to create a Random Forest classifier via Python (scikit-learn), enhancing sales team reach out accuracy from 13% to 18%, and increasing potential customer conversion rate by 11%.
- Conducted 10+ A/B testing experiments on a new strategy of sending renewal notice before their subscription expires, testing whether a small floating window indicating remaining days of subscription days on home page will increase the renewal rate.
- Advocated for and introduced new processes and tools to consolidate data, gain insights, better outline trends, and enable faster decision-making.

Data Analyst, Deloitte Consulting, Shenzhen | Jul 2019 – Sep 2019
- Mined data from various sources, cleaned and reorganized data, and performed in-depth analyses on large data sets.
- Produced data analysis templates with Excel and SQL, enabling instant real-time analysis, and completely transforming data sharing procedures across departments.
- Introduced automation solutions, utilizing VBA to optimize reporting, augmenting accuracy while reducing timescales by 80%.

PROJECTS

University Innovation & Entrepreneurship Competition | Feb 2019 – Jun 2020
- Steered the team in conducting research and establishing the conceptual design, optimizing a Dijkstra algorithm to calculate the shortest path, and creating a visualization on the campus map.

Control and Prevention of Risk of Online Game Trading Platform | Aug 2019
- Led comprehensive exploratory data analysis (statistical analyses, data visualization), created and applied regression model, explored influencing factors, and derived insights via Tableau.
- Strengthened productive relationships with major online game trading platforms and implemented the model, delivering a 28.3% reduction in customer complaints while boosting order praise rate by 31.2%.