QING WEN

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PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with proven internships at Sailvan Times, HypeX, and Tencent. Led high-impact ML projects that achieved significant outcomes, such as reducing inventory-related losses by 9% and boosting partner selection accuracy by 10%. Demonstrated proficiency in Python, R, SQL, and diverse analytics tools. Well-versed in machine learning, business intelligence, and project management. Excels at translating complex data into actionable business strategies, and seeking to leverage skills in a dynamic, high-growth organization.

EDUCATION

New York University **Sep 2023 – May 2025 (Expected)**
Master of Science in Data Science New York, NY

University of California, San Diego **Sep 2019 – Dec 2022**
Bachelor of Science in Applied Mathematics, Minor in Economics, Major GPA: 4.0/4.0 La Jolla, CA

WORK EXPERIENCE

Sailvan Times **Jun 2023 – Present**
Data Analysis Intern Shenzhen, China

- Decreased storage fees by 11% and optimized Warehouse inventory distribution strategy by developing machine learning models, such as Random Forest and SVM, to analyze the correlation between different variables and inventory age using Python.
- Reduced data processing time from 5.0 hours to 3.8 hours per dataset, increasing analysis speed by 24%, by creating functions and building a dashboard to automatically acquire, collect, and clean data using Python.
- Achieved a 9% reduction in inventory-related losses by building predictive models for the inventory age of each product and setting up a department alert system using Python and scikit-learn.
- Analyzed high-volume warehouse inventory data and presented reports on the correlation between inventory cost and factors such as product types, product volume and sales department with visualizations to senior management, leveraging Matplotlib and Seaborn.

HypeX **Jun 2022 – Sep 2022**
Research & Development Intern Los Angeles, CA

- Analyzed top NFT owners' preferences and collections with a sales volume of $155.15k, combining statistics and data visualization like histogram graphs to generate new collaboration ideas, with a 20% boost in customer engagement using Python and Web3 package.
- Boosted partner selection accuracy by 10% by extracting meaningful insights from large datasets, providing detailed reports, and delivering actionable intelligence to decision-makers for optimal cooperation partner selection using Python and SQL.
- Increased FL3X's Twitter following by 7,000, leading a key research project and co-writing the white paper, after conducting competitive analyses to extract meaningful insights published in a detailed report for audience levels.

Tencent **Jun 2021 – Aug 2021**
Business Analysis Intern Shenzhen, China

- Expanded the user base by 16% on "Channel" of "WeChat" via data analysis and visualization using SQL to analyze market trends and determine that viewership peaks during 7-9 pm with the most viewed category being clothing style/fashion.
- Increased team productivity by 20% (additional 10 tasks completed per week) and cut decision-making time by 25% from developing and maintaining bespoke data analysis solutions and presentations to handle multi-terabyte datasets using SQL and Navicat.
- Boosted user base by 20%, average screen time by 20%, and retention rate by 15% through data-driven recommendations using data modeling/statistical analysis techniques (SWOT, RFM, AARRR, common regression/classification algorithms) in Python and SQL.

PROJECTS

Data Science & Business Analysis Case Study **Jan 2021 – Mar 2021**

- Analyzed the purchase behavior of an e-commerce business' clientele using machine learning models in R, uncovering key insights on customer purchases, and provided a marketing strategy in collaboration with cross-cultural project team members.
- Improved prediction accuracy by 23% by clearly defining the case study's scope and selecting optimal research methods, including curve fitting, prediction, binary classification, supervised and unsupervised machine learning, and error detection.
- Created machine learning models and performed k-means clustering analysis on large datasets, uncovering quality insights and synthesizing findings into reports and visualizations to help the business increase revenue by 11%, using R.

Credit Card Fraud Detection **Jul 2020 – Sep 2020**

- Uncovered fraud transactions with 99% accuracy via extensive exploratory analysis of 10GB of imbalanced (0.17%) transaction-level data using SMOTE for oversampling, employing Python and SQL.
- Forecasted credit card fraud with 97% accuracy by leveraging machine learning (Decision Tree, Random Forest) and deep learning (DNN) models while evaluating and fine-tuning model performance via precision, recall, and F1 score, using Python and Keras.

SKILLS

Programming Languages: Python, SQL, R, Java, MATLAB
Tools/Technologies: Jira, Excel, Python UnitTest, Python Web Framework
Certifications: Python Programming Certificate - UC San Diego Extended Study
Concepts: Business Intelligence, Forecasting, Market Research, Project Management, Quantitative & Qualitative Research, Statistics