

SKILLS

Data Analysis, Data Modeling, Visualization: MS SQL Server, Python, Tableau, SAS Enterprise Miner

Projects

Coal Reclaimed Machine Maintenance Assessment

Aug 2024

- Analyzed maintenance needs for five coal reclaimed machines at a coal terminal by identifying those exceeding idle capacity, utilizing **Tableau** to generate clear, data-driven insights.
- Conducted extensive data preparation to ensure accuracy, optimizing datasets for effective visualization and actionable insights on machine performance and maintenance requirements.
- Compiled findings into a comprehensive report for executive stakeholders, delivering targeted recommendations to support proactive maintenance decisions and operational efficiency.

Jewelry Product Optimization and Pricing Analysis

May 2020

- Identified high-ROI products by analyzing product attributes and determining optimal price points for multiple ring categories over a five-year period, driving profitable pricing strategies.
- Merged complex datasets using **SQL** and generated insightful metrics with **Python's** Pandas to uncover key price and profit trends across product lines.
- Delivered targeted recommendations to enhance product development, boost resource efficiency, and maximize profitability based on data-driven insights.

App Rating Enhancement Analysis

February 2020

- Analyzed data from over 7,000 apps to identify key features associated with high user ratings, offering actionable insights for app developers to enhance user satisfaction.
- Built and tested classification models in **SAS Enterprise Miner**, selecting models with the highest predictive accuracy to improve feature-targeted recommendations.
- Created a **Tableau** dashboard for interactive data exploration, which streamlined the analysis process and reduced data processing time by 25

Alumni Fundraising Strategy and Donation Forecasting

December 2019

- Developed data models to forecast donor numbers, identify high-value donations, and calculate average giving per donor, supporting predictive fundraising strategies.
- Leveraged **Tableau** to map donor regions and analyze donation patterns, revealing key trends across geographic areas.
- Provided actionable insights to enhance targeted donor engagement and optimize data collection, driving more effective fundraising efforts.

Experience

Louisiana State University

BATON ROUGE, LA

Graduate Assistant in Center for Internal Auditing

February 2019 - May 2020

- Assisted in lecture preparation and academic research for the LSUCIA director.
- Supported event planning, management, and student recruitment processes.

Graduate Assistant in LSU Online Business Office

August 2017 - January 2019

- Utilized Excel and SAS to reconcile bi-monthly revenue reports for 900 students.
- Conducted benchmarking analyses on online course fees at peer institutions.

Sansheng Real Estate Group

FUZHOU, CHINA

Account Assistant

May 2013 - March 2015

- Managed bill and invoice compilation, ensuring the accurate and timely processing of accounting data.
- Prepared monthly, quarterly, and annual financial statements for \$20MM in annual revenue.
- Coordinated with head office, salespeople, and clients to maintain financial accuracy.

Fujian Blue Sky Taxation Office Co., Ltd.,

FUZHOU, CHINA

Audit Assistant

May 2012 - April 2013

- Audited corporate sales revenue and taxes, identifying unusual relationships in financial statements.
- Consulted with 30 clients across various industries on risk management and compliance.
- Documented audit working papers and draft tax reports.

Education

Louisiana State University, Baton Rouge, LA

Master of Science in Analytics

May 2020, GPA 4.10

Master of Business Administration

May 2019, GPA 3.80

Minjiang University, Fuzhou, Fujian, China

Bachelor of Science in Finance

June 2012, GPA 3.44