YAN RUI WEI

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PROFILE

A Data and Life Explorer: Navigating Data, Embracing Growth

- Financial data professional with 5 years of expertise in financial analysis, accounting process optimization, and ERP implementation, known for precision, professionalism, and a proven track record of multiple promotions.
- Boldly stepping out of the comfort zone into new domains, leveraging exceptional learning ability to quickly acquire knowledge, adapt seamlessly, and consistently deliver results.

EDUCATION

Singapore Management University - Singapore   **Aug 2023 - Jan 2025**
Master of IT in Business - Analytics Track (GPA: 3.64/4, MITB Scholarship for Class of 2025 Graduates, MITB student ambassador)

Shanghai University of International Business and Economics - Shanghai, China   **Sep 2008 - Jun 2012**
Bachelor of Management in Accounting (Third-class honors of School Scholarship)

ACADEMIC PROJECTS

Machine Learning: Predict on Cancellation of Hotel Reservation
- Utilized Python and Scikit-learn to apply data wrangling and feature engineering on hotel reservation dataset, build predictive models for hotel reservation cancellation, with the Random Forest model performing the highest accuracy of 0.9 and ROC-AUC score of 0.96.

SAS Viya: Prediction on Bank Loan Default with SAS Viya
- Executed data cleaning and exploratory data analysis (EDA) on the given dataset. Implemented 4 machine learning models, with the GB model yielding the highest accuracy in predicting loan default.

SQL: Design ER Model and SQL queries for business use case of Big Brother Surveillance System
- Designed ER model for new products, wrote complex SQL queries, trigger, and stored procedure to analyze business performance.

Web3: Whale Behavior Analysis in Cryptocurrency Markets
- Analyzed behavior patterns of whales, prioritized potentially suspicious groups for further investigation, refined analysis by applying supervised learning and rule-based detection on flagged groups, and explored potential impact of whale activities on ETH price.

NLP: Research on news articles in terms of topics, sentiments, and NER with NLP
- Collected raw news data, performed topic modeling, sentiment analysis and NER to uncover the sentiment tendency of the articles.

EXPERIENCE

WEO Corporation Pte Ltd. – *Optical product manufacturing – Singapore*   **Jun 2024 – Dec 2024**
IT Systems and Data Analytics Internship
- <u>Reports Development</u>: Performed ETL and data analysis using Python and Power Query, developed reports and Power BI dashboards including:
  - Revenue and Cost Reconciliation Report: Saved 2/3 of manual validation time and improved accuracy.
  - PO Closing Status Report: Reduced invoicing/receipt delays.
  - PPI Report: Analyzed price trends to optimize procurement strategies.
  - GPM Dashboard: Tracked profit trends for key customers to enhance profitability.
- <u>ERP integration</u>: Cleansed and validated master data to ensure integrity, Simulated MRP module to validate business requirements.

Envision Energy Co., Ltd. – *Green Energy – Shanghai, China*   **Oct 2018 – Jun 2023**

Senior Financial Analyst
- <u>Process Optimization</u>: Analyzed accounting processes for various business scenarios and developed semi-automated Excel templates, reducing monthly closing time by one-third, minimizing errors, and improving overall efficiency.
- <u>Rules Development and Documentation</u>: Established accounting guidelines, authored operation manuals, and created monthly closing checklists, significantly reducing accounting errors, facilitating onboarding for new employees, and enhancing the quality and efficiency of management accounting.
- <u>Risk Monitoring</u>: Developed historical ledgers covering the procurement to sales lifecycle for wind farm construction projects, maintained accounting and tax-related data, and conducted regular analysis and monitoring to mitigate financial risks (e.g., overpayments).
- <u>Financial Analysis</u>: Conducted monthly financial report analysis for wind power companies, covering capital expenditures and financing costs during the construction phase, as well as revenue, operational costs, depreciation, and government subsidies during the operational phase.
- <u>ERP Implementation</u>: Streamlined business scenarios, listed accounting treatments and information require, discussed implementation plans with IT, UAT and documented user manual for EPC turnkey project, booking optimization project and SO go-live project.

Shanghai NI Instrument Co., Ltd. – *Computer hardware and software – Shanghai, China*   **Jun 2012 - Oct 2016**

AP Leader and GL Accountant
- <u>Process Optimization</u>: Simplified and visualized payment hierarchy policy using spreadsheets for better readability across departments.
- <u>Leadership</u>: Led AP team of 2 AP accountants and 1 cashier, ensured the accuracy of AP month end closing.

ADDITIONAL

- **Certifications**: Certificate of Google Advanced Data Analytics; Certificate of Senior Accounting Profession; Assistant psychological consultant
- **Technical Skills**: Python, SQL, R, Power BI, Tableau, Lucidchart, Spreadsheet Modeling, ER Modelling, SAS Viya, , Machine Learning, NLP
- **Language Skills**: English, Mandarin
- **Work Authorization**: Singapore (need sponsorship), China (Citizen)