YENGKONG SAYAOVONG **FINANCIAL DATA ANALYST**

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CAREER SUMMARY

Analytical and detail-oriented Financial Data Analyst with a strong foundation in financial reporting, performance dashboards, and process automation. Leverages 5+ years of experience in technical and analytical environments, with hands-on expertise in financial modeling, KPI development, and forecasting. Proficient in translating complex financial data into actionable insights using Power BI, SQL, Excel, and Python. Dedicated to delivering data-driven solutions that enhance financial strategy, optimize budgeting processes, and support executive-level decision-making.

TECHNICAL SKILLS

- **Data Analysis & BI Tools:** Power BI, Excel (Power Query, PivotTables, Macros, VBA), Tableau, DAX, SQL
- **Programming & Scripting:** Python (Pandas, NumPy, Matplotlib, Seaborn), Bash
- **Reporting & Dashboards:** KPI Design, Executive Dashboards, Financial Reporting, Forecasting Models
- **Databases & Data Modeling:** PostgreSQL, Snowflake, AWS Redshift, Google BigQuery
- **ETL & Data Transformation:** dbt, Apache Airflow, Power Query, SQL-Based ETL
- **Cloud Platforms:** AWS (S3, RDS), GCP (BigQuery), Microsoft Azure (basic exposure)
- **Automation & Integration:** Excel VBA, Python Scripts, Web Scraping, API Integration

PROFESSIONAL EXPERIENCE

Financial Data Analyst | Robert William Park Water Association (RWPWA) 03/2025 – Present

- **Constructed** and **maintained** financial dashboards in Excel and Power BI to monitor revenue, expenses, and cash flow, enabling informed decision-making.
- **Formulated** financial models in Excel and DAX to project cash flow trends and operational expenses, improving planning and resource allocation.
- **Automated** financial reporting processes, reducing manual errors and **accelerating** monthly report generation.
- **Established** KPIs to track financial performance and fund utilization, **enhancing** transparency and strategic oversight.
- **Oversaw** financial compliance efforts, including audits, risk analysis, and regulatory tracking to safeguard organizational assets.
- **Presented** data-driven financial insights to board members using visualization tools, translating complex figures into strategic recommendations.
- **Identified** inefficiencies in workflows and **optimized** processes using advanced Excel formulas, Power Query, and automation.

Mechanical Designer | Prolec-GE Waukesha – Waukesha, WI 10/2020 – Present

- **Engineered** and **streamlined** Excel-based reports and dashboards, ensuring 100% on-time data delivery in compliance with reporting standards.
- **Developed** and **standardized data-driven workflows** to support transformer design documentation, including **automated tracking** of **nameplate specifications** and **compliance data**.
- **Designed internal reporting tools** in **Excel** to monitor progress on **unsupported model conversions**, improving **visibility** across design operations and **accelerating turnaround times**.
- **Leveraged SAP** and **ETQ systems** to **extract**, **manage**, and **validate design-related data**, ensuring alignment between **design records**, **quality documentation**, and **production requirements**.
- **Built** and **maintained onboarding systems** for new hires, including **training binders** and **process documentation**, enhancing **data literacy** and **operational efficiency** across the team.

- **Conducted quality audits** and **data validation checks** on design documents and detailing outputs, reducing **reporting errors** and improving **documentation accuracy**.
- **Collaborated** with engineering and quality teams to identify **gaps in data flow** and implement **corrective actions**, driving **continuous improvement** in design reporting standards.
- **Utilized OCR tools** to **digitize** and **extract structured data** from legacy paperwork, **streamlining documentation processes** and enabling **faster access** to critical design information.
- **Trained new team members** on **data processes**, **compliance standards**, and **reporting systems**, reinforcing a **data-driven culture** across the mechanical design department.

Dev Ops Intern | Oeson – Remote 01/2025 – 03/2025

- **Developed** automated CI/CD pipelines, reducing deployment time by 35% and **improving** system reliability.
- **Optimized** cloud resource utilization in AWS through auto-scaling strategies, leading to a 20% decrease in operational costs.
- **Engineered** real-time monitoring dashboards using Python and Prometheus, increasing system uptime and response efficiency by 40%.
- **Automated** system performance logging and tracking, enabling data-driven infrastructure enhancements.
- **Collaborated** with cross-functional teams to **integrate** over 50 microservices, **advancing** system scalability and deployment processes.

Data Engineer Intern | Refonte Infini – Remote 11/2024 – 01/2025

- **Designed** and **maintained** ETL pipelines with **SQL and Python**, improving data accessibility and transformation workflows.
- **Constructed** batch and streaming pipelines with Spark and Kafka, reducing data latency by 25%.
- **Leveraged** big data frameworks such as Hadoop and Spark to manage high-volume datasets, cutting retrieval times by 30%.
- **Visualized** data insights using Matplotlib and Seaborn, **translating** technical findings into business intelligence.
- **Enhanced** data quality through robust validation and transformation processes, **elevating** data trustworthiness.

EDUCATION

Data Analyst Bootcamp | Zero to Mastery Academy | Feb 2025

A.S., in Mechanical Design Technology | Milwaukee Area Technical College | Apr 2021

PROJECTS

Titanic Dataset Analysis Dec 2024

This project involves the analysis of the Titanic dataset to uncover key insights into the survival patterns based on various demographic and class attributes. The analysis leverages Python and its data visualization libraries to explore relationships and draw meaningful conclusions from the data.

- Processed and analyzed large datasets using Python to uncover survival trends and patterns, including feature engineering.
- Designed a reproducible ETL workflow for data cleaning and transformation, ensuring data quality for predictive modeling.
- Created data visualizations to communicate statistical insights and model results effectively to non-technical audiences.
- Technologies: Python (Pandas, NumPy, Matplotlib, Seaborn), Jupyter Notebook.
- Titanic Dataset Analysis