

# YENGKONG SAYAOVONG

# DATA ANALYST

Delivering financial clarity through advanced analytics, scalable reporting, and data infrastructure.

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## SUMMARY

Results-driven Data Analyst with 5+ years of experience converting raw data into strategic insights across financial, operational, and engineering domains. Proven expertise in building interactive dashboards, automating reports, and streamlining processes using Excel, Power BI, SQL, and Python. Trusted with managing high-value budgets (\$200K+) and delivering accurate data models for decision support. Adept at working across departments and tools to improve performance, efficiency, and data reliability.

## TECHNICAL SKILLS

**Data Analysis & Reporting:** Excel (Power Query, VBA, PivotTables, Financial Modeling), Power BI (DAX, Measures), SQL

**Forecasting & BI Tools:** KPI Reporting, Time Series (Prophet, SARIMAX), Regression, Scenario Planning

**Database & Cloud:** PostgreSQL, AWS (S3, Lambda, RDS, Redshift), Snowflake

**Automation & Visualization:** Python (Pandas), Excel Automation, Power BI Dashboards, Excel Dashboards, Data Storytelling

**Other Tools:** QuickBooks, Servant Keeper, SAP, ETQ

## PROJECTS

### Engineering KPI & Error Analytics Dashboard – April 2025

*Excel Tables | Pivot Tables | Slicers | Conditional Formatting*

*GitHub:* <https://github.com/YSayaovong/Engineering-KPI-Dashboard-in-Excel>

- Built an Excel dashboard with slicers and pivot tables to track error rates, delivery metrics, and detailing timelines across 100+ records.
- Reduced manual QA time by 40% and highlighted phase-level quality concerns for production teams.

### Transformer Cable & Lead Length Calculator – June 2022

*Excel | Engineering Analytics | Dashboard Navigation | VBA*

*GitHub:* <https://github.com/YSayaovong/transformer-engineering-calculation-reference>

- Developed an Excel toolkit to automate cable sizing, look up part numbers, and calculate lead lengths with embedded navigation and formulas.
- Streamlined engineering design flow and reduced lookup errors.

## PROFESSIONAL EXPERIENCE

### Treasurer (Financial Data Analyst)

*Robert William Park Water Association (RWPWA) | March 2025 – Present | Part-Time*

- Serve as Treasurer and act as CFO on record with the bank, managing \$200K+ in operating fund
- Built Power BI and Excel dashboards to track income, expenses, and KPIs, reducing report prep time by 50%
- Automated monthly reporting with VBA and DAX; reduced manual error rates by 90%.
- Created cash flow forecasts that improved planning accuracy by 25%.

### Assistant Treasurer (Volunteer Data Analyst)

*Hmong First Baptist Church of Milwaukee | Jan 2018 – Dec 2025 | Milwaukee, WI  
(Roles: Assistant Treasurer, Board Member, Financial Consultant)*

- Held bank account access and managed \$60K in annual funds.

- Tracked contributions, reconciled accounts, and built Excel reports to support quarterly board presentations
- Managed donor and financial records using QuickBooks and Servant Keeper, ensuring transparency and compliance.

### **Property Manager**

*Self-Employed | April 2010 – Present | Milwaukee, WI*

- Manage all financial operations and maintenance for personal rental property, including rent collection, vendor contracts, and annual budgeting.
- Built Excel-based financial tracker to monitor cash flow, forecast maintenance, and generate year-end reports for tax prep.

### **Mechanical Designer**

*Prolec-GE Waukesha | October 2020 – Present | Waukesha, WI*

- Designed Excel-based trackers and automated reports to support transformer design QA, improving delivery timing and reducing rework.
- Used SAP and ETQ to validate design documentation, track non-conformances, and align engineering outputs with production needs.
- Conducted design error audits and trained new team members on compliance and document control processes.

### **Dev Ops Intern**

*Oeson | January 2025 – March 2025 | Remote*

- Built GitHub-based CI/CD pipelines and automated deployment tools, improving reliability and cutting release time by 35%
- Created real-time Python dashboards using Prometheus, increasing system uptime and alert accuracy.

### **Data Engineer Intern**

*Refonte | November 2024 – January 2025 | Remote*

- Designed ETL pipelines using SQL and Python to improve data workflows.
- Developed Spark/Kafka data streams, reducing latency by 25% and improving ingestion reliability.

## **EDUCATION**

**B.S., in Information Technology, minor in music | Arizona State University**

Expected December 2025

**Data Analyst Bootcamp | Zero to Mastery Academy**

Completed February 2025

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

Completed April 2021