Yengkong Vang Sayaovong

414-739-1246• Milwaukee, WI (Open to Relocation) • YSayaovong@gmail.com • https://www.linkedin.com/in/ysayaovong/
https://github.com/YSayaovong • https://ysayaovong.github.io/Portfolio/index.html

Data Engineer

Data Engineer with hands-on experience from a previous internship, specializing in Python, SQL, and data visualization. Skilled in analyzing complex datasets, automating data workflows, and generating actionable insights to support business decision-making. Proficient in data warehousing, ETL processes, and creating interactive dashboards that drive strategic growth. Actively seeking a data analyst position to utilize my analytical skills and contribute to meaningful data-driven solutions.

Career Highlights

Data Engineer Intern | Refonte Infini – Remote   11/2024 – Present

- Implemented data ingestion with tools such as Sqoop, Flume, and Kafka.
- Optimized Hive queries using partitioning, bucketing, and indexing.
- Processed large datasets and real-time data using Apache Spark.
- Managed AWS services like RDS and EBS for secure and scalable solutions.
- Applied AWS deployment options tailored to business needs.
- Processed data on Amazon EMR using Hadoop tools.
- Built real-time data solutions with Amazon Kinesis and visualized data using QuickSight.
- Deployed Azure virtual machines, web apps, and databases.
- Integrated Azure Active Directory for secure identity management.
- Designed data solutions with Azure Synapse, Data Lake, and SQL Database.
- Developed batch and streaming data processes for performance optimization.

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

- Designed transformers and nameplates, ensuring compliance with industry standards using CREO 8.0.
- Led process optimization initiatives, reducing errors and improving design efficiency.
- Mentored detailers, providing guidance to improve overall team performance.
- Worked cross-functionally to ensure timely and high-quality project delivery.

Mechanical Design Intern | Prolec-GE Waukesha – Waukesha, WI   1/2020 – 10/2020

- Assisted in the design of transformer components, supporting project timelines and quality objectives.
- Developed proficiency in CAD software and technical drawings.

Volunteer Experience

Board of Trustees Member | Hmong First Baptist Church | Milwaukee, WI   12/2023 – Present

- Participated in decision-making processes and maintained records for board meetings.

Pianist | Hmong First Baptist Church | Milwaukee, WI   1/2023 – Present

- Organized musical arrangements and collaborated with worship teams for weekly services.

Assistant Treasurer | Hmong First Baptist Church | Milwaukee, WI   11/2018 – 12/2021

- Managed financial records, budgeting, and payroll to ensure compliance with financial regulations.

Education

B.S., Information Technology; Minor in Music | Arizona State University, Expected Completion: 5/2025

Data Scientist Career Path | Zero to Mastery, Expected Completion: 5/2025

A.S. in Mechanical Design Technology | Milwaukee Area Technical College, 5/2021

Certificates

- **Google:** Google Cybersecurity Certification (2024)
- **Amazon Web Service:** AWS Academy Graduate – Cloud Foundations (2023)
- **IBM:** Security Analyst Fundamentals (2024)
- **Google:** Google Project Management Certificate (2023
- **Google:** Generative AI Essentials (2024)
- **Google:** Google Business Intelligence Certificate (2024)

Technical Proficiencies

Languages:	**Python (Advanced)**: Skilled in object-oriented programming (OOP), data structures, algorithms, backend development (Flask, Django), and process automation. **JavaScript (ES6+):** Used in backend services, asynchronous operations, and event-driven architecture. **C++ (Basic), C# (Basic), Java (Basic):** Basic knowledge of syntax, programming logic, and foundational concepts.
Web Development:	**Backend:** Python (Flask, Django) for RESTful APIs, server-side logic, and data handling; Node.js for API development and microservices. **Frontend:** Familiar with HTML, CSS, and JavaScript for basic web interfaces. **API Communication:** Proficient in handling HTTP, JSON, and AJAX for backend communication.
Cloud & DevOps:	**AWS Services:** Experienced with EC2, S3, Lambda for scalable infrastructure, production deployment, and serverless computing. **CI/CD & Containers:** Proficient in Docker, Jenkins, and GitHub Actions for automated builds, testing, and deployments.
Automation & Testing	**Python (Selenium):** Developed automation frameworks and testing scripts for web applications to ensure performance and reliability.
Database	**PostgreSQL, SQL:** Experienced in writing queries, managing relational databases, and handling data operations.
Tools:	**PostgreSQL, SQL:** Experienced in writing queries, managing relational databases, and handling data operations.

Projects

Password Checker

- **Accomplishment:** Successfully created a security tool that checks passwords against known breaches, enhancing personal and enterprise password safety. This tool recommends stronger password alternatives, supporting proactive security measures and reducing the risk of data breaches.

- **GitHub Link:** password checker

The Creature

- **Accomplishment:** Built an efficient Python program to generate unique creatures from scratch. This tool streamlined the creature creation process, reducing manual effort and enabling rapid prototyping for gaming or simulation projects.

- **GitHub Link:** The Creature

Email Sender

- **Accomplishment:** Developed an email automation tool that simplifies the sending process for personalized emails. The tool reduced manual email composition time by 80%, enhancing communication efficiency for users or small businesses.

- **GitHub Link:** Email Sender