Yengkong Sayaovong

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Education

B.S., in Information Technology, minor in music | *Arizona State University* | 2022 – Present

Zero To Master | *Data Analyst Career Path* | 2024 - Present

DataCamp | *Associate Data Engineer in SQL* | 2024 - Present

A.S., in Mechanical Design Technology | *Milwaukee Area Technical College* | 2017 – 2021

Technical Proficiencies

Data Engineering Tools: SQL, Python, ETL Pipelines, Data Pipelines Design
Data Analysis: Advanced Excel (data tracking, cleaning, visualization, reporting), Data Transformation, Business Insights
System Design & Optimization: Database Schema Design
Technical Tools: OCR, ETQ Analysis Tools
Collaboration & Training: Process Documentation, Hands-On Training, Team Facilitation

Career Highlights

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

- Created a design tracking system using advanced Excel techniques (VLOOKUP, XLOOKUP, PivotTables) to streamline reporting, improve accuracy, and monitor timelines, reducing delays and errors with data-driven insights.
- Translated raw data into insights to optimize engineering workflows and synchronize multidisciplinary design systems, ensuring consistency and collaboration across teams.
- Migrated and standardized complex models to enhance processes and ensure compatibility for mechanical design projects.
- Leveraged OCR and ETQ tools to monitor projects, maintain compliance, and align data quality with industry standards.
- Collaborated with teams to forecast long-lead materials, reducing supply chain bottlenecks and improving project delivery timelines.
- Performed comprehensive quality assurance checks on designs to ensure compliance with engineering standards and accuracy.
- Created training materials and led workshops to onboard team members, enhancing technical proficiency and knowledge sharing.
- Facilitated design meetings to analyze project progress, address challenges, and implement workflow improvements.
- Designed transformers and mechanical components using CREO 8.0, ensuring technical accuracy in clearances, oil levels, and part placements to meet project specifications.

Data Engineer Intern | Refonte Infini – Waukesha, WI   11/2024 – Present

- Designed and optimized database structures and automated data pipelines to streamline data ingestion, cleaning, and transformation, improving system efficiency and scalability.
- Analyzed and restructured system architecture to address inefficiencies, ensuring seamless integration with existing applications and enhancing usability.
- Utilized tools like Docker and Git for environment setup, version control, and deployment, while performing rigorous testing to ensure system reliability.
- Documented workflows and presented redesign solutions to stakeholders, effectively communicating project value and securing implementation approval.

References

Max Lindhorst | Mechanical Designer, Prolec-GE Waukesha   **Phone:** 414-350-3985

Salathit Vang | Pastor Hmong First Baptist Church   **Phone:** 414-933-8479

Ann Schleicher| Supervisor, DD Sling & Supply   **Phone:** 262-242-5501