Thong-Sheng Ang

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PROFESSIONAL SUMMARY

Highly skilled and accomplished Data Analyst with over 2 years of experience in healthcare analytics, quantitative modeling, and business analysis. Demonstrated success in utilizing data-driven insights to drive program effectiveness and improve outcomes in the healthcare and community development sectors. Proficient in SQL, R, Python, SAS, Excel, Power BI, Tableau, and Looker Studio.

PROFESSIONAL EXPERIENCES

Rubin Education - *Data Analyst Freelancer*   Apr 2023 - Present
- Created SQL **views** and **stored procedures** to query millions of rows in **MySQL** database.
- Developed an automated **Power BI** dashboard that integrates multiple data sources to identify peak periods of online traffic and user engagement.
- **Optimized** queries and data models which successfully reduced dashboard refresh time by **46%**.
- Utilized **time series analysis** and **trend analysis** techniques to enhance data quality in the KPI dashboard by identifying and addressing **data irregularities**.

Northern Indiana Hispanic Health Coalition - *Data Analyst & Project Manager*   Dec 2022 - Present
- Conducted **root cause analysis** to pinpoint factors impacting the process flow of a health clinic.
- Developed automated **ETL** pipelines to eliminate manual data entry process; reducing manual labor by **71.4%** and increasing data quality by **97%.**
- Integrated **quantitative and qualitative behavioral modeling** techniques to assess stressors and coping mechanisms among new immigrants, resulting in **30%** reduction in depression rates.
- Constructed **regression** models using **R** and **Python (scikit-learn)** to analyze the correlation between healthcare access barriers faced by the Hispanic community and attendance at our events.
- Built automated dashboards to examine program effectiveness, increasing reporting efficiency by **99%.**
- Implemented **agile** methodologies, including **Scrum** and **Kanban**, to streamline project workflows, leading to a **15%** reduction in project delivery time and increased team productivity by **23%.**

EnFocus Inc. - *Data Analyst Consultant*   Oct 2021 - Dec 2022
- Consulted City of South Bend's Business Analytics team to build an automated data dictionary for the city's **Microsoft SQL Server** database, reducing manual database maintenance time by **100 total hours**.
- Conducted **hypothesis testing** to evaluate effectiveness of a first responder training program. Training increased participants' efficiency by **22.8%** and willingness to carry naloxone by **90%.**

EDUCATION

Western Michigan University   **May 2021**
Bachelor of Science in Data Science, Minor in Data Analytics   **GPA: 3.98**
- Coursework: Data Analysis using R, Machine Learning, Big Data Analysis with Python, SAS Programming

CERTIFICATION

- Data Analyst Associate Certificate **-** *DataCamp*   **Dec 2022**
- Managing Big Data with SQL **-** *Duke University*   **Aug 2022**
- OSHA General Industry 10-hour Training   **Jun 2022**
- Data Visualization and Communication with Tableau **-** *Duke University*   **Sep 2021**