

PANG LU WOON

Phone: +65 9720 5148
Email: pangluwoon@gmail.com
Portfolio: luwoon.github.io

SUMMARY

Data analyst with close to 4 years of experience in the oil and gas industry and government/law enforcement. Besides being proficient in a range of relevant data analytics tools and skillsets, I am also familiar with using Git and Agile Methodologies in work processes. I am currently seeking further growth in the area of data.

EXPERIENCE

Data Analyst | MODEC Offshore Production Systems

Apr 2025 – Present

- Build and maintain Power BI reports to track KPIs, Azure costs, and business impact, increasing the organization's accessibility to meaningful data insights
- Provide Power BI expertise and implement best practices on existing reports across the organization, including automated forecasting and UX design principles
- Improve SQL query performance through query refactoring and index optimization, achieving a 24% reduction in runtime
- Gather business and data requirements from stakeholders and collaborate with data engineers to bring new data and bug fixes upstream, improving data availability and usability
- Improve Azure Synapse pipelines utilization from 71% to 86% and reduce idle time by 46%, by diagnosing and resolving parallelism bottlenecks and implementing an automated Python-based solution
- Actively maintain consistent and efficient data warehouse design and standards

Statistics Senior Executive | Central Narcotics Bureau

May 2022 – Apr 2025

- Utilized IBM Cognos Analytics, SQL, Tableau, and Microsoft Excel for data cleaning, processing, and visualization, producing regular reports and visualizations
- Worked closely with other departments, senior management, and regional stakeholders to understand data requirements and present data-driven recommendations, influencing policy formulation and operational efforts
- Championed the organization's data analytics capabilities by tapping into existing data system, creating SQL scripts and management dashboards to automate data processing tasks
- Provided guidance and training on data analysis tools and techniques to staff from various divisions, fostering a data-driven culture within the organization
- Led the publishing of the 2023 and 2024 annual statistical release and received CNB's Commendation Award for exceptional performance
- Assumed additional roles, including Committee of Supply 2024 Liaison Officer, Departmental EXCOs and Ministerial Meetings secretariat, and Welfare Rep responsible for procuring CNB corporate passes

System Development and UX Intern | Singapore Police Force

May 2021 – Jul 2021

- Supported user testing and product management for the implementation of a new human resource and operations system
- Re-designed training materials for ground officers and manpower staff, incorporating user-centered design principles to enhance usability and understanding
- Formulated and presented change management and training strategies to ensure successful uptake of system

EDUCATION

Bachelor of Social Science in Psychology (Honours) | Nanyang Technological University

Aug 2018 – Jul 2022

- President Research Scholar and recipient of Undergraduate Research Excellence Award 2020
- Vice-President (2020-2021) and Treasurer (2019-2020) of NTU Symphony Orchestra

SKILLS

- Data analytics: SQL, Power BI, Git, Agile Methodologies, IBM Cognos Analytics, Tableau, R, Python, SPSS
- Microsoft Office: Excel, PowerPoint, Access, etc.
- Languages: Proficient in English and Chinese