



ALPHONSUS TEOW

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EDUCATION

National University of Singapore

Jul 2024 – Sept 2025

Master of Science, Business Analytics

- Expected Graduation: Jul 2025
- Second Upper Class Honours
- Course Work: Data Management and Warehousing, Operations Research and Analytics, Advanced Analytics and ML

National University of Singapore

Aug 2020 – May 2024

Bachelor of Engineering, Major in Electrical Engineering, Minor in Management

- Second Upper Class Honours
- Course Work: Machine Learning, Data Science for Internet of Things, Electronic Circuits

TECHNICAL SKILLS

- **Language:** Python, SQL, Postgres, C++, HTML, CSS, JavaScript
- **Libraries, Framework & Technology:** Git, Apache, Jenkins, Docker, Flask, ReactJS, React-Native, MongoDB, Oracle

EXPERIENCE

Ernst and Young, Technology Consultant

Feb 2025 – May 2025

- Maintained and enhanced web applications using AWS, OutSystems and Oracle SQL within an Agile Scrum framework
- Conducted continuous testing, root cause analysis, and supported deployment to ensure high-quality product delivery
- Collaborated with cross-functional teams through daily standups to identify risks and efforts to resolve complex issues

Singapore Athletics, Data Analyst

May 2023 – Jul 2024

- Developed and implemented robust ETL (Extract, Transform, Load) pipelines using Apache Airflow
- Utilized Airflow DAGs (Directed Acyclic Graphs) to define and manage complex ML workflows
- Implemented Continuous Integration and Continuous Deployment (CI/CD) pipelines using Jenkins

Advanced Micro Devices, Electronic Engineer

Jun 2022 – Dec 2022

- Provided support to product engineers for MI300 project
- Performed data analysis for yield improvement activity and device characterization for over 100 chips daily
- Designed pipelines with MS Azure, Confluence and SQL to automate daily report generation improving efficiency

LEADERSHIP EXPERIENCE

Ridge View Residential College Dinner & Dance, Project Director

Jan 2023 – May 2023

- Spearheaded planning for a formal dinner of over 200 participants with a team of 8
- Liaised with external vendors to manage over \$20,000 of funding

Ridge View Residential College, Vice House Head

Aug 2021 – Aug 2022

- Directed a team of 10 in organizing and executing house and community events
- Liaised with college master and residential fellows to improve welfare of more than 60 residents

EXTRA CURRICULAR ACTIVITIES

National University of Singapore, Track and Field

Aug 2020 – May 2024

- Inter-varsity Games 2025 4x100m, Gold
- Inter-varsity Games 2025 4x400m, Silver
- Inter-varsity Games 2024 4x100m, Silver
- Inter-varsity Games 2024 4x400m, Silver

TECHNICAL PROJECTS

E-Commerce ML Webapp

Jan 2025 – Apr 2025

- Developed an ML web app using Flask and React for frontend and backend integration
- Utilized MySQL for database management and MLflow for model lifecycle tracking
- Containerized the application with Docker and orchestrated workflows using Apache Airflow
- Automated testing and deployment pipelines with Jenkins to ensure continuous integration.

MISCELLANEOUS

- Ask me about the time I was flipping bulls in the USA!