# RYAN MIGUEL MORALDE SIA

+65 9776 7271 | rmmsia@outlook.com | www.linkedin.com/in/rmmsia
https://github.com/rmmsia

## EXPERIENCE

**DBS Bank**                                                    **May 2025 – Aug 2025**
*Intern – Group Audit (Risk Management & Finance)*
- Automated the team's analytics workflow for data cleaning, baseline model training (logistic regression, random forest, XGBoost), and benchmarking baseline model performance (AUC) against the development team's credit risk model.
- Supported audit engagements using Python through data analysis, model testing, and validation, contributing to risk-based audit assessments.
- Improved internal analytics development by introducing coding best practices, documentation standards, and maintainable project structure.

**Goodpack IBC (Singapore) Pte Ltd**                           **Jun 2024 – Aug 2024**
*Information Technology Intern*
- Conducted exploratory data analysis on 12 months of container scan data comprising tens of millions of nodes and relationships.
- Researched and evaluated Neo4j graph database capabilities, identifying data modelling approaches and analytics use cases for operations.
- Synthesised analytical findings and presented insights to business teams to demonstrate operational and analytical value.

## EDUCATION

**Singapore Management University (SMU)**                       **Aug 2022 – Present**
*Bachelor of Science (Computer Science)*
- Expected Graduation Date: **05/2026**
- Artificial Intelligence Track
- 2nd Major in Business Analytics
- Relevant Coursework: Data Management; Statistical Thinking for Data Science; Principles of Machine Learning; Introduction to Artificial Intelligence; Data Structures and Algorithms; Generative AI with Large Language Models (in progress)

**Saint Andrew's Junior College (SAJC)**                       **Feb 2018 - Nov 2019**
*Singapore-Cambridge GCE 'A' Level*

## PROJECTS

**Group Project for CS302 – IT Solution Lifecycle Management**     **Aug 2024 – Nov 2024**
- Developed backend microservices in Python and Go to support data-driven application features.
- Designed and implemented RESTful APIs and unit tests to ensure data integrity and service reliability.
- Deployed services on AWS (ECS, EC2, S3), enabling scalable data access and processing.

**SMU Libraries AI Hackathon**                                                    **Aug 2023**
- Built a GPT-3.5-powered chatbot in Python (LangChain, Streamlit, OpenAI API) that retrieved and summarised relevant academic resources from SMU Libraries' databases based on user queries, placing 3$^{rd}$ out of 11 teams

## CO-CURRICULAR ACTIVITIES / COMMUNITY SERVICE

**SMU Fides (Catholic Community)**                                    **Aug 2022 - Present**
*AV Team*
- Participated in sessions, rendered audio-visual assistance through coordinating slideshows and audio mixing for sessions and mentored newer members of the team

**SMU Project Rhize 2**                                              **May 2023 - Jan 2024**
*Events Director*
- Planned and facilitated guided nature walks and a panel discussion on biodiversity in Singapore as part of a student-led community service project

**SMU Stereometa**                                                  **Jan 2023 - Dec 2023**
*Events Director*
- Coordinated with liaisons for school events and judged club members' mixes for internal competitions and choosing which members to send for gigs and performances

## SKILLS
Programming Languages
- Python, JavaScript, Go, SQL

Cloud Technologies / DevOps
- AWS (EC2, ECS, S3), Kubernetes, GitLab, Docker

Data Engineering
- Databricks, Apache Spark (PySpark)

Artificial Intelligence / Machine Learning
- PyTorch, TensorFlow, scikit-learn

Data Visualisation
- Tableau
- Python matplotlib / seaborn

Project Management
- GitLab
- Atlassian (Jira, Confluence)

Relational Database Management
- MySQL
- PostgreSQL
- AWS DynamoDB

NoSQL Databases
- MongoDB, Neo4j Graph Database

Certifications
- AWS Certified Solutions Architect – Associate