MIRABELLE CHEW YI

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EDUCATION

National University of Singapore   Aug 2022 - Dec 2025
Bachelor of Science (Hons) in Data Science and Analytics
- NOC Overseas Colleges - Tech Entrepreneurial Programme (Ho Chi Minh City, 6-months)
- ETH Zurich Interdisciplinary School of Machine Learning and AI: Hands-on workshops on cutting-edge AI applications (LLMs, diffusion models, HPC) guided by experts from ETH Zurich, Oak Ridge National Lab, NASA)

EXPERIENCE

Maybank, Corporate Strategy & Development   May 2025 - Aug 2025
- Supported C-suite strategy consulting and market research to deliver actionable recommendations for Maybank's 2030 vision and maintained executive dashboards
- Defined requirements and tracked cross-departmental projects, aligning all initiatives with organisational priorities
- Represented Maybank as a Student Ambassador, promoting corporate initiatives among university communities

Rockship, Data Scientist Intern   Jul 2024 - Dec 2024
- Led the implementation of a company-wide data warehouse with Google BigQuery and PostgreSQL
- Spearheaded the implementation of Mixpanel web event analytics infrastructure, creating interactive dashboards and organising team-wide training sessions
- Performed feature engineering for pharmaceutical demand forecasting using scikit-learn and wandb
- Directed data analysis on online course marketplaces with Python, text mining and statistical analysis
- Optimized an email intent classification system with LLMs and OpenAI APIs to automate lead scoring

World Vision International, Business Analyst Intern   Mar 2023 - May 2023
- Implemented Kissflow to improve workflow efficiency, saving 60% of time spent on company claims

PROJECT EXPERIENCE

- DSA3101: Enhancing Guest Experience in Theme Parks through Data-driven Analysis: Led process mining efforts and deployed the project live using Streamlit and Docker; mentored the team on Streamlit best practices to ensure smooth deployment and usability
- DSE4211: Developed and deployed a machine-learning-driven dynamic trading strategy for cryptocurrencies using XGBoost, integrating technical indicators and robust risk management for portfolio optimisation
- Changi Airport Group Case Competition 2025 (ongoing)
- Personal website: https://french-plum.netlify.app/ (WIP)

SKILLS & INTERESTS

- Tech Stack and Tools: Python, SQL, R, Java, Git, BigQuery, PostgreSQL, GCP, MatLab, Tableau, PowerBI, Mixpanel, Google Looker, Figma, Microsoft Office, Docker, Solidity, Unix
- Additional Skills: Video Editing, Canva, Emceeing
- Interests: Product and Project Management, Tech Consulting, Machine Learning, Global Markets
- Fluent in English, Mandarin, Malay (spoken and written); Beginner in Vietnamese

AWARDS AND SCHOLARSHIP

- Full scholarship to ETH Zurich's Machine Learning and AI School, a competitive postgraduate program
- Singapore MOE ASEAN Pre-university Scholarship: Full Scholarship
- Stephen Loh Sports Award: Commendable sportsmanship in Water Polo at the College Level
- School Academic Figure for Top Scorer of the Malaysian National Examinations (Straight A+)

CO-CURRICULARS

- NUS Science Sports Club - Secretary
- NUS Canoe Polo Varsity
- NUS Raffles Hall Masterlist (Block Committee, Swim, Basketball, Sports Management Committee)