RYAN TAN YAN TONG

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)   Aug 2022 - April 2026
Double Degree Program (Bachelor of Science in Business Analytics, Bachelor of Administration in Business)
- GPA: 4.83, 4.89
- NUS Merit Scholarship
- Competitions: Hack&Roll 2025 (Most Entertaining Hack), Healthhack 2025 (Best use of Intersystems), Lifehack 2025, Citadel Datathon 2024, Hack&Roll 2024, Eurasia Asset Management (Finalist), SMU Future Economy Forum Case Competition 2023 (Distinction)

EXPERIENCE

AI Developer, SAP   May 2024 - Oct 2024
- Designed and Built 10+ front-end interfaces for custom in-house SAP applications using SAP UI5
- Designed and Integrated backend and frontend for custom AI-driven SAP applications using SAP CAP, Python Flask, Javascript
- Developed data pipelines for AI-driven products based on RAG, text embeddings and prompt engineering

Teaching Assistant, National University of Singapore (NUS)   Jan 2024 - May 2024
- Led laboratory sessions consisting of a group of 20 students for CS2040 (Data Structures and Algorithms) with vibrant discussions for possible algorithms used to tackle various problems
- Clearly explained and broke down complex concepts in data structures (e.g. arrays, linked lists, trees, graphs) and algorithms (Sorting, SSSP, MST)

Orbital Project, Apollo 11 Achievement Level   April 2023 - Aug 2023
- NUS Timetable Optimizer done for Orbital project (Apollo 11)
- Developed website whereby users can input which courses they are taking for the semester to generate a working timetable with personal constraints (z3-solver)
- Developed using Typescript, Reactjs and Nextjs for frontend and Nodejs and Sequelize for backend

PROJECTS

Automated Trading System   May 2025 – Aug 2025
- Designed and implemented a fully functional automated trading engine in Rust that centralises order execution and real time market data collection
- Developed an additional interface in Tauri that allows for easy tracking and analysis of strategies, fully integrated with the backend service that exposes the stored labelled executions in the backend

EXTRA CO-CURRICULAR ACTIVITIES

Senior Analyst, Business Analytics Consulting Team   Jan 2024 - April 2024
- Developed machine learning models based on ARIMA and SARIMAX to predict crop yields

SKILLS AND INTERESTS

- Languages: English (Written and Spoken, Native), Mandarin (Written and Spoken, Mother Tongue)
- Programming Languages: Rust, Python, R, Java, Typescript, Javascript, PostgreSQL, MySQL
- Positions: RC4 Flag 2024 Project Director, RC4 Programmes Head, RC4 Invest EXCO, RC4 CASA EXCO