

RYAN TAN YAN TONG

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Aug 2022 - April 2026

Double Degree Programme: School of Computing / School of Business

- GPA: 5.0, 4.88
- NUS Merit Scholarship
- Competitions: 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) (<https://github.com/RyanTYT/ClassMate>)
- 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

- NUS HackNRoll 2025 Most Entertaining Hack Winner (<https://github.com/RyanTYT/Love-Bets>)
- Discrete Event Simulator built to schedule waiters and customers for NUS course - CS2030 (<https://github.com/RyanTYT/NUS-CS2030-Discrete-Event-Simulator>)
- Automated fetching of financial statements from sec website to an excel worksheet using Python (<https://github.com/RyanTYT/Automated-Financial-Statements>)
- Applied machine learning algorithms to balance sheets (<https://github.com/RyanTYT/Machine-learning-for-balance-sheets>)

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: Python, R, Java, Typescript, Javascript, ReactJS, Nextjs, PostgreSQL, MySQL, C++
- Interests: RC4 Flag 2024 Project Director, RC4 Programmes Head, RC4 Invest EXCO, RC4 CASA EXCO