YONG SOOK MUN

Aspiring Data Scientist, AI Engineer

I'm a passionate student about data and AI and always eager to learn, I'm excited to apply my skills to real-world problems and contribute to innovative projects.

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EDUCATION

2023 - 2027
National University of Singapore
Bachelors of Science (Business Analytics) Honours

Grade: First Class Honours
- **NUS School of Computing**
- **Lim Boon Heng Book Prize**

2021 - 2022
Hwa Chong Institution
A-Levels

Grade: 90/90 RP
- **Hwa Chong Diploma (Distinction)**
- **Best Interactor (HCInteract Club)**

ACTIVITIES

NUS Sports Club
Marketing Executive

Streamlined sending customised mass email by **coding** a program in **Apps Script.**

NUS Dance Synergy
Dance Captain

Spearheaded productions and led a CCA of over 100 members.

NUS Rotaract Club
CommServ Executive

Planned and organised volunteering sessions with NKF.

City Ballet Academy
Ballet Teacher/Dancer

Achieved numerous awards (first place) and scholarships as a dancer. Went on to teach ballet at the studio.

SKILLS

Programming Languages: Python, SQL, R, Java, JavaScript

Data/AI: pandas, pytorch, scikit-learn, seaborn, Matplotlib, Scipy, Tableau, LangChain, HuggingFace

Web Development: HTML, CSS, Vue.js, React.js, Firebase

Soft Skills: Teamwork, Attention to detail, Adaptable, Problem Solving, Communication

WORK EXPERIENCE

AI Engineer Intern (AIIP)   May 2025 - Aug 2025
AI Singapore

- Conducted literature reviews on SOTA document parsing and evaluation methodologies, focusing on **advanced NLP** and **layout analysis techniques.**
- **Fine-tuned transformer-based** document layout generation models to create complex, synthetic multi-format documents, enhancing **training data diversity and model robustness**.
- Developed and deployed an **end-to-end evaluation** pipeline leveraging cutting-edge metrics to rigorously assess parser performance and guide model optimization.
- Completed **3-week deep-skilling** in NLP, PyTorch, LLMs and built a RAG-based chatbot using HayStack and Hugging Face.

Python Teaching Assistant   Dec 2024 - Feb 2025
NUS Computing

- Conducted tutorial sessions on programming methodology in Python in a class of 20 students.
- Maintained close relationships with the students.

RELEVANT PROJECTS/HACKATHONS

2nd Prize – National AI Challenge 2025
Predictive Maintenance & Productivity Loss

- Developed an **end-to-end predictive ML model** and came up with a detailed report on key insights.
- Integrated into a **Retrieval-Augmented Generation (RAG) pipeline** as a GenAI chatbot. For easy querying of our findings via natural language.

Movie Recommender
ML-based Recommendation System

- Used various **contextual bandit algorithms** with different r**eward maximisation strategies** to determine the best algorithm in recommending movies to a user.
- **Bootstrapping** and **replay evaluation** to artificially increase the sample size.

PantryPals
Full Stack Web-App

- Developed a web app using **React.js** that records pantry items and generates relevant recipes for each user.
- Utilised **Node.j**s on the backend to interact with the **API** to generate recipes based on pantry items.