<u>Ho</u> Jing Rui

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Singapore

EDUCATION

Nanyang Technological University, Singapore   **Aug 2021 – Present**

BS Mathematical and Computer Sciences (Double Major)

- **Academic:** CGPA 4.71/5 (Expected: First Class Honours)
- **Awards:** Dean's List AY21/22

SKILLS & INTERESTS

- **Languages:** Python, C, C++, Java, HTML, CSS, JavaScript
- **Frameworks:**
    - o   Frontend: React, Angular
    - o   Backend: Flask
    - o   Full Stack: Django
- **Cloud Services:** Azure Cognitive Services, Azure Machine Learning Studio,
- **Project Management Tools:** Jira, Confluence
- **Interests:** Algorithms, Machine Learning, Neural Networks

WORK EXPERIENCE

Discovermarket Asia Pte Ltd – Software Engineer Intern   **May 2023 – Aug 2023**

- Actively participated in cross-functional, agile improvement teams, offering valuable system-level perspectives to identify the most efficient and effective strategies for achieving project goals.
- Took advantage of Azure Machine Learning Studio's integration with other Azure services, enabling smooth data ingestion, pre-processing and integration into the machine learning pipeline.
- Tested out Azure Cognitive Search indexing with the company's existing chatbot to improve chat results.
- Assisted Data Scientist in obtaining rainfall weather data using weather APIs, and deriving statistical inference based on them.
- Upgraded past interns' projects by using React and Flask for a more readable codebase, and then deploying it to Azure Web App and Azure Static Web App for ease of use.

PROJECTS

Map Clusterer

Languages/Frameworks: Angular, Flask

- A Python application that takes in coordinates (in Latitude and Longitude) and clusters them by KMeans and DBSCAN
- Used libraries like scikit-learn for models and pandas for data handling

NeoVim

Languages/Framewoks: Lua

- Project to convert my laptop's terminal into an Integrated Development Environment (IDE) using vim commands
- Utilises open-source plugins from GitHub to create a smooth development experience

Connect4

Languages/Frameworks: Python

- A console based application that allows you to play connect 4 (2 players allowed as well)
- In the midst of improving the Computer difficulty by implementing the Min-Max Algorithm for a harder difficulty