

(Aaron) Teng Xin Zhuan

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EDUCATION

National University of Singapore

Aug 2021 – May 2025

- Bachelor of Science (Hons), Major in Data Science and Analytics
- 2nd Major in Computer Science
- Expected date of graduation: May 2025

WORK EXPERIENCE

Software Engineer Intern, CARRO

May 2023 - Aug 2023

- Built a Car recommendation bot that recommends customers cars based on their preferred attributes, using KORS to extract customer's favoured attributes and large language models along with LangChain with relevant company data to offer a personalised recommendation of cars for the customer, highlighting the buying points of the car.
- Showcased expertise in frontend development, utilizing JavaScript, CSS, HTML, and python's Flask framework to build an application that facilitated data uploading and transformation of uploaded data into a Neo4j graphical data for querying.
- Reported directly under the Chief of Operations of Carro, to ensure that the applications built were efficient and aligned with the company's strategic goals.

SKILLS

- Proficient in Python, Java, R, HTML, CSS, SQL and JavaScript
- Experienced in implementing machine learning algorithms and leveraging large language models
- Some notable technical experience I have includes Flask, loopback3, emberJS, PostgreSQL, NumPy and matplotlib

PERSONAL PROJECTS

Task Manager (Full Stack Web Application)

- Created a locally hosted To Do List using loopback3 project manager for the backend, storing data in PostgreSQL and using ember.js to build the frontend.

AAPoker (Telegram Bot)

- Created a functional telegram bot that allows users to play a self-made variation of poker among friends, using python telegram bot package.
- Used object-oriented programming concepts to model cards, players, table, and games to facilitate game play and logic.

Credit Card Fraud Detection (Machine Learning Project)

- Group project where we Implemented machine learning algorithms available in python to determine credit card approval predictions.

Quora Similar Questions Classification (Machine Learning Project)

- Group project where we Implemented feature engineering with machine learning algorithms to determine whether 2 Quora questions given can be classified as the same question.

EXPERIENCES

TEACHING ASSISTANT, C2040 (Data Structure and Algorithms)

- Conducted weekly lab sessions for 40 students, teaching various Data Structures and Algorithm that they can use to tackle their weekly Coding Assignments.
- Actively replied to any questions the students might have regarding solving their coding assignment and course material.

NUS Science Camp (Programmes Executive)

- Designed and planned a segment of an orientation camp for over 200 freshmen.
- Actively Participated in games trials and reviews to help plan for the actual camp.