

LIM ZHENG XUAN

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EDUCATION

National University of Singapore (NUS)

Aug 2019 – May 2023

- Bachelor of Engineering with Honours (Distinction)
- Minor in Computer Science
- Awarded NUS Merit Scholarship for outstanding academic performance, CCA records and leadership

WORK EXPERIENCE

BioQuest Advisory

Jul 2022 – Dec 2022

Data Science Intern

- Executed maintenance works, including troubleshooting and process performance analysis, for a RPA project built using UiPath, ensuring high process reliability during production
- Developed a chatbot Proof-Of-Concept using a SaaS tool, followed by UAT sessions to ensure product meets the requirements of the client

National University Health System (NUHS)

May 2022 – Jul 2022

AI & Data Science Intern

- Built a RESTAPI service from scratch to carry out ETL processes using an enterprise-level data integration software to support a chatbot application
- Performed deployment of the RESTAPI service through Docker and Kubernetes in the test environment
- Collaborated in a team of 6 members following the Agile SCRUM framework to develop the chatbot application according to Sprint objectives

PROJECTS

Singapore Resale Flat Price Prediction

Dec 2022

- Carried out Exploratory Data Analysis on a Singapore resale flat price dataset from Kaggle and built visualizations to derive insights and better understand the data
- Performed feature selection and feature engineering to train Random Forest and XGBoost Regressors
- Deployed a Flask application to host front end and allow predictions on resale flat prices in Singapore

Tribe Academy Data Analytics

Oct 2022

- Performed data cleaning and feature engineering on data collected from API calls to generate a dataset
- Trained Regression models to predict taxi availability across different sectors in Singapore
- Conducted geospatial analysis to discover the difference in traffic in 2019 and 2020 by counting number of vehicles using OpenCV on images collected from traffic cameras in Singapore

Mahjong Tile Detection

Aug 2022

- Performed image augmentation on an image dataset using OpenCV to expand dataset by 10 times
- Trained a YOLOv7 model to accurately detect and classify 3 types of Mahjong tiles on images, videos and in real-time using webcam

COMMUNITY INVOLVEMENT AND CO-CURRICULAR ACTIVITIES

Project CleanUS Organizer, NUS

May 2021 – Dec 2021

- Planned a Pay-It-Forward campaign with 4 other team members to promote kindness within NUS
- Spearheaded operations through liaison with 9 different store owners, ensuring smooth run of project
- Improved the well-being of 37 cleaners by helping them save 150 dollars over a period of 3 months, a 50% improvement from previous iterations

Floorball Vice-Captain, NUS King Edward VII Hall

Jun 2020 – Apr 2021

- Guided and motivated new members to improve, cultivating their interest and passion for the sport
- Organised trainings for more than 60 members in liaison with coach to maintain high training standards

SKILLS

Python | SQL (PostgreSQL, MSSQL Server, MySQL) | Java | MATLAB | C++ | Numpy | Pandas | Scikit-Learn | TensorFlow | Keras | Neo4j | Git