

Rudy Chen

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[Github](#)
[Linkedin](#)

National Taiwan university: Mechanical Engineering 2021
University of Queensland: Data science 2025

SKILLS

Programming

Python, R, Js

Web

Javascript, Typescript, React, Next js

Data science

ML: Pytorch, sklearn

Database: SQL

Data processing: pySpark, LangChain

AI: Transformer, LLM, Langchain

Cloud computing:

Docker & K8s

Google cloud platform

CERTIFICATION

AWS Cloud Practitioner

DATA SCIENCE EXPERIENCE

Kaggle:

- Digit recognize: 180/1700
- Jane Street: 1000/3600
- Enefit - Predict Energy Behavior of Prosumers: 306/2300

Project Experience:

- Video classification using GNN
- Facebook sentiment analysis.
- CNN, Regression ...

FULL STACK PROJECT

Human Anatomy interaction interface built on Fhir (School Project)

Designed a human interaction interface using CRA and SVG, integrated with FHIR API and GPT, in collaboration with a sports science coach.

Dating web application (School Project)

- Use Docker Swarm and Deploy on GCP with multi-instance with load balancer.
- Integrate redis, MongoDB, SQL database to support the whole Application.
- Flask as backend, React as frontend

Stock Dashboard (Self- build)

- Data visualization
- url: <https://traderjoe.streamlit.app/>

RAG Assistance (Self- build)

- Use Langchain to build AI pipeline.
- Next js, Typescript build , oAuth.

DATA ANALYTICS PROJECT

FORECASTING QLD ELECTRICITY PRICE CAPSTONE AT UQ

- Objective: Forecast electricity price in Queensland.
- Method: Utilized web crawling to download data from AEMO, followed by proper preprocessing and feature engineering. Applied XGBoost and other models for ensemble learning, achieving a Mean Absolute Error (MAE) below 20."

WORK EXPERIENCE

Crypto Analyst - private crypto fund (Singapore, work from home) Oct 2021- June 2022

- Discover market hot spots and write analyst report

Operation in Quoll - Defi protocol (Singapore, work from home) July 2022 - April 2023

- Drafting& Editing protocol's document, Networking with community and potential Investors.