

RAIN LIAO

 Phone: +61 432 196 885
 Email: liaoyuchieh6@gmail.com
 Git: <https://github.com/Rainman4301>
 LinkedIn: linkedin.com/in/yu-chieh-liao

PERSONAL SUMMARY

I'm a curious and dedicated professional who loves learning, growing, and working with others to make a real difference. I bring a strong work ethic, a positive attitude, and a genuine passion for solving meaningful challenges. Being active in social groups like my church, jogging club, and tennis community has helped me build strong teamwork and communication skills. I'm excited to contribute, keep developing, and build a rewarding career in data-driven and technology-focused roles.

EDUCATION

MASTER OF DATA SCIENCE

University Of Adelaide | Adelaide , SA | **Feb 2024 – Present**

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Chung Yuan Christian University | Taoyuan , Taiwan | **Sep 2018 – Jun 2023**

PROFESSIONAL EXPERIENCE / PROJECT

Data science research internship – University of Adelaide, SET Faculty | **Aug 2025 – Oct 2025**

- Served as main author of the conference paper "Mental Health Topic-Modelling".
- Collaborated with Dr. Indu Bara and a research team to explore mental health data.
- Utilized Hugging Face language encoder models for topic modeling and applied statistical methods to validate neural network outcomes.

ALTA Shared Task 2025 | **Sep 2025 - Oct 2025**

- Developed and optimized machine learning and language encoder models to improve accuracy in detecting adverse drug reactions (ADR).

Quantitative Trading Research – Australian Institute for Machine Learning (AIML) | **Aug 2024 – Mar 2025**

- Developed and backtested trend-following strategies, integrating LLMs for stock prediction and recommendations.
- Researched strategy performance, analyzed key profitability factors, and optimized models.
- Gained strong knowledge of market terminology, technical indicators, and AI-driven trading strategies.

National Centre for Research on Earthquake Engineering (Taipei, Taiwan) | **Jul 2023 – Oct 2023**

SPECIAL CASE TECHNICIAN

- Coordinated team efforts in implementing development of Emergency Road Network Program and Road Blockage Reporting, and Timely Notification System.
- Integrated these systems with company's existing Earthquake Disaster Prediction System in northern Taiwan (Taipei, New Taipei).
- Leveraged diverse APIs, including ChatBox, Google Maps, and ChatGPT, to develop a real-time natural disaster alarm reporting system.
- Utilized QGIS, Python, SQLite, AWS, and Git for projects proceeding and set up a virtual server using Linux system.

Power BI Job Simulation | **Sep 2024**

- Designed and implemented diverse Key Performance Indicators (KPIs) to analyze business performance.
- Gained practical insights into data visualization requirements in real-world business environments.

EXPERIENTIAL LEARNING

Front of House – Olive (Adelaide Australia) | **Dec 2025 – Present**

- Provide professional fine dining service with strong communication, wine knowledge, and bartending skills to create a memorable guest experience.

Volunteer – retail (Vinnies thrift store Norwood) | **Dec 2024 – Apr 2025**

- Contributed to sorting and pricing donated items, setting up displays, assisting customers, and supporting administrative tasks to ensure smooth store operations.

Team Leader – National College Smart Innovation Competition | **Jan 2023 – Jul 2023**

- Led a team in developing innovative solutions, expanding skills in HTML, CSS, JavaScript, React and Django.
- Gained a comprehensive understanding of full-stack development processes.

CERTIFICATION

- Microsoft Azure Data Scientist Associate: DP-100
- Udemy Advanced SQL Database Administration with MySQL workbench

TECHNICAL SKILLS

- | | |
|---|---|
| <ul style="list-style-type: none">• C++, Python, R, SQL• Linux system• Web Crawler• Power BI, Azure• QGIS | <ul style="list-style-type: none">• Html, Css, JavaScript, React, Django• Data Science Skill• Microsoft Tools• Git, Docker• AWS |
|---|---|

REFERENCES

Tang Guo Yi
ONDA
Data Analyst
Mob: 0452 259 689
Email: gytang26@gmail.com

Darren Tang
Y Suite Waymouth
YCEP Coordinator
Mob: 0401 057 265
Email: ycep.waymouth@ysuites.co

Sana
Y Suite Waymouth
Residential Advisor
Mob: 0400 149 885
Email: upasanabardhan2019@gmail.com