

YI LI

Master of IT

CONTACT



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Skills

Backend Development (Java, Python, API)

Frontend Development (HTML, CSS)

Network (CISCO Switches, IPv4, 7 layers)

Data Analyst (Stata, Matlab, Tableau, PowerBI)

Management Software (Jira, Trello, MS Project)

Software Testing

Machine Learning

Profile

- Currently a Master of Information Technology (Software Development) student at the University of Technology Sydney (UTS).
- I enjoy problem-solving. Always strive to bring 100% to the work I do. I will be able to bring my strong understanding of multiple programming languages into work.
- With a foundation in Finance and Project Management, I am confident in my ability to blend these skills with technical expertise to foster innovation.
- My teamwork and communication abilities have developed from working as a Research Assistant and sales assistant for 2 years.

Education

Master of Information Technology (Software Development)

University of Technology Sydney (UTS)

2023.8 - 2025.6

Master of Project Management

University of Sydney (USYD)

2022.2 - 2023.6

Bachelor of Finance

Hebei University

2016.9 - 2020.6

Work Experience

University of New South Wales (UNSW)

Research Assistant

2023.6 - Present

Yeahmobi

Agile Project Manager

2021.5 - 2022.1

CITIC Securities

Data Analyst

2020.9 - 2021.1

Project Experience

- **Cardiovascular Risk Prediction in Australian Men and Women Using Python and Machine Learning**

University of New South Wales (UNSW)

2023.6 - Present

Developed a novel Machine learning model to handle imperfect data to calculate dietary risk in Australian men and women by using the 45 and Up Study database, which is Australia's largest ongoing study of health and aging. It was developed with Python, Stata, and SHAP framework.

My responsibility:

- Imperfect data: Demonstrated Stata to pre-process the dataset. KNN Imputation and Pandas library for the missing value.
- Created prediction model: Compared multiple Machine Learning models such as LGBM, Random Forest, Neural network, etc.
- Model evaluation: K-fold validation to evaluate the model's ability when given new data.
- Data visualization: Demonstrated SHAP framework and MATLAB plot for visualization operations.

YILI

Master of IT

Personal

Scrum and agile development



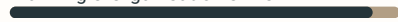
Teamwork



Problem-solving skills



Planning & Organisation skills



Volunteers

Sydney Film Festival

2023.6.7 – 2023.6.18

UTS Library Service

2023.9 – Present

Languages

Mandarin



English



Referees

Available upon request

Project Experience

• Utilizing Python to Forecast Stock Market Trends

Demonstrated a Machine learning model to predict S&P 500 index prices from 2022 - 01- 01.

My responsibility:

- Trained a random forest model using data from 2022-01-01 to make accurate predictions through backtesting.
- Through the addition of predictors and careful avoidance of overfitting, successfully improved the precision score from 0.36 to 0.58.

• Data Analysis for Upcoming IPO Company - Jing Wei Heng Run

Jing Wei Heng Run specializes in providing electronic products, R&D services, and advanced intelligent driving solutions for the automotive and unmanned transportation sectors. Contributed to Jing Wei Heng Run's IPO journey by leveraging Power BI, MATLAB, and my accounting expertise.

My responsibility:

- Proficiently utilized PowerBI to analyze financial data for the company.
- Experienced in utilizing Python for data collection through web crawlers.
- Collaborated on the development of a Python script to efficiently extract and store company name information in an Excel file, streamlining the background investigation process. Achieved a high completion rate of 94%.

• Sinicize World's Boutique Mobile Games Program

A game-importing program co-sponsored by Yeahmobi and Ali Games for overseas developers and manufacturers. Helped overseas companies campaign for the product launch.

My responsibility:

- Demonstrated software tools like Jira, Trello, and MS Project to effectively manage projects.
- Ensured seamless communication with over 20 stakeholders and maintained satisfactory project progress.
- Organized stand-up meetings every day for 15 mins, a sprint cycle every four weeks.
- Proactively addressed stakeholder demands, coordinating and resolving them in a timely manner, iterating immediately based on demand.