

#07-21 Westwood Hostels
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Personal website

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EDUCATION

Nanyang Technological University Singapore Aug 2024 – May 2025 (Expected)

- **M.Sc. in Financial Technology (Specialism: Intelligent Process Automation)**
- **Coursework:** Algorithmic trading, Finance and Risk Management, Statistical Modeling, Information Retrieval, Reinforcement Learning, Quantitative Methods in Finance, Investment and Portfolio Management, Micro & Macro Economics

The Chinese University of Hong Kong Hong Kong Sept 2020 – Jul 2024

- **B.Sc. (Hons) in Computer Science (Stream: Database and Information Systems), First Class (Top 15%)**
- **Coursework:** Web-scale Info Analytics, Cloud Computing & Storage, Computer Network, Software Engineering, Design and Analysis of Algorithms, Operating Systems, Database Systems, Fundamentals of AI

Honors & Qualifications

- **Postgraduate Entrance Scholarship 2024**, Anxi Mingning Educational & Charitable Association *Cap. 8,000 CNY.* (Details)
- **ELITE Scholarship AY 2021/2022**, Faculty of engineering, CUHK, *Cap. 20,000 HKD.* (Details)
- **Honors at Entrance AY2020/2021**, the Chinese University of Hong Kong, *Cap. 300,000 HKD.*(Details).
- **Undergraduate Entrance Scholarship 2020**, Anxi Mingning Educational & Charitable Association *Cap. 5,000 CNY.* (Details)

SKILLS AND LANGUAGES

- **Programming Language:** Python, JavaScript, Java, C, C++, Python, PyTorch, MySQL
- **Technologies:** Flask, React.js, Node.js, Express.js, Database Design and Maintenance, MapReduce, AI Design, Docker, Git, Cloud Computing, Cloud Storage, Tableau
- **Spoken Language:** Mandarin (Native), English (Expert), Cantonese (Fluent), Hokkien (Conversant), Japanese (Beginners)

PUBLICATIONS & SERVICES

7th ICRBME Helsinki, Finland 14th July 2023

- **Refined Method for Demand Estimation in Differentiated Product Markets**, Jian Yi, Yichen LIU, *accepted in press* by 7th International Conference on Research in Business, Management and Economics Details, Paper.

SELECTED PROJECTS

- **Enhanced FinRL:** Refining Reinforcement Learning Frameworks in Stock Trading in Crypto High Frequency Trading scenarios. (Working Paper)
- **Twitter-Clone App:** Developed a full-stack Twitter clone application which can work in Desktop/Mobile web browsers, with functionalities including tweeting, retweeting, liking/disliking, following, and commenting. Source code
- **Robo Advisor:** Implemented an automated Bot which can give stock trading Advice Every Day, consist of Transformer models and Backtest Modules embedded in a website. Source code

WORK EXPERIENCE

Student Research Assistant Nanyang Technological University Aug 2024 - Present

- Constructed data warehouse and developed websites to visualize the global climate data for GAIP Global Details, Website.

Research Staff The Hong Kong Polytechnic University May 2024 - Sept 2024

- Used LLMs to analyse reports and constructed database about Firms' Mandatory Climate Risk Disclosures Effect on Mitigating Global Warming with empirical data to conduct event study research.Source Code

Data Analyst, Software Engineer Datalouder.com June 2023 - Sept 2023

- Research on quantitative trading strategy on equity and derivatives, leveraging advanced data analysis techniques and AI models to identify patterns in data, maintaining company's website.Telegram channel

Summer Research Internship The Chinese University of Hong Kong June 2022 - Dec 2022

- Involved in developing a universal benchmark project for Deep Learning -Based Time Series Forecasting for various time series dataset: exchange rate, traffic, stock price (Source Code).

Research Staff Hong Kong Logistics Robotics Centre May 2021 – Sept 2021

- Implemented C++ program to generate / transform data to speed up machine learning process.