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EDUCATION

Nanyang Technological University　　　　　**Singapore**　　　　　**Aug 2024 – May 2025 (Expected)**
- **M.Sc. in Financial Technology (Intelligent Process Automation)**
- **Coursework:** Introduction to Algo trading, Principles of Finance and Risk Management, Foundations of Statistical Modeling, Fintech Ecosystem & Innovation, Quantitative Methods in Finance, Micro & Marco 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, Principles of Programming Languages, Computer Organization and Design, Introduction to Banking & Finance, Financial Management, Basic Macro Economics
  - **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).

SKILLS AND LANGUAGES

- **Programming Language:** Python, JavaScript, Java, C, C++, Python, PyTorch, SQL, RISC-V Assembly, Perl, Prolog, SML
- **Technologies:** Git, Flask, React.js, Node.js, Express.js, Docker, Unix-Based OS Programming, Database Design and Maintenance, Vim, MapReduce, Socket Programming, Cloud Computing, Cloud Storage, AI Design
- **Spoken Language:** Mandarin (Native speaker), English (IELTS 7.0), Cantonese (Fluent), Hokkien (Conversant)

PUBLICATIONS & SERVICES

AAIML Reviewer　　　　　**Online**　　　　　**August 2022 - Present**
- Served as a reviewer for the Advances and Applications in Machine Learning (AAIML) (ISBN 2582-9793), contributing to the peer review process for research publications in the field of machine learning.

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.

WORK EXPERIENCE

Research Staff　　　　　**The Hong Kong Polytechnic University**　　　　　**June 2024 - Present**
- Used LLMs to analyse reports and construct database about Firms' Mandatory Climate Risk Disclosures Effect on Mitigating Global Warming. Did data analytics for empirical data to conduct operational management research.Source Code

Data Analyst, Software Engineer　　　　　**Datalouder.com**　　　　　**June 2023 - Sept 2023**
- Independently developed and launched a quantitative trading AI Bot, leveraging advanced data analysis techniques such as Correlation Filtering, MIC, and Random Forest for factor selection. The bot employs transformers to identify patterns in data, generating and back-testing trading strategies. It supports CI/CD pipelines and automatically updates web-accessible content. The bot is still actively operated by Datalouder.com. Telegram channel, Source code

Summer Research Internship　　　　　**The Chinese University of Hong Kong**　　　　　**June 2022 - Dec 2022**
- Involved in developing a universal benchmark project for Deep Leaning -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.

SELECTED PROJECTS

- **Mock GlassNode:** Developed a website application that can visualize real-time on-chain Cryptocurrency quotes using provided database. Source Code
- **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
- **Linux File System:** Implemented a simple file system adhering to ext3/4 attributes, capable of basic file read/write operations. Source code