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# JIAN YI(EASY)

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## EDUCATION AND ACADEMIC ACHIEVEMENTS

**The Chinese University of Hong Kong** **N.T., Hong Kong** **Sept 2020 – Jul 2024 (Expected)**

- **B.Sc. in Computer Science (Expected Stream: Intelligence Science), cGPA: 3.49/4.00**
- **Coursework:** Data structures and Algorithms Design, Design and Analysis of Algorithms, Computer Organization and Design, Operating Systems, Object-Oriented Design and Development, Database Systems, Software Engineering, Principles of Programming Languages, Fundamentals of AI
- **IELTS Test :** 7.0 overall band

**ICRBME** **Helsinki – Finland** **14th July 2023**

- **Refined Deep Causal Inequalities:** First author of ***Refined method for demand estimation in differentiated product markets***, accepted by ICRBME 2023.

## WORK EXPERIENCE

**Data analyst** **Datalouder.com** **June 2023 - present**

- Involved in quantitative trading strategies development, integrated different stretegies and data feeds into a single python script.
- Developed a software application that can automatically fetch stock data, train AI, run back-testing, and finally push visualized messages to users.

**Research assistant / Student Helper** **CURE Lab CUHK** **June 2022 - Dec 2022**

- Enhanced the performance of Lab's models by reducing redundant computation by introducing state-of-the-art neural network's code
- Involved in developing a universal benchmark project for Deep Leaning -Based Time Series Analysis and Forecasting
- Researched several state-of-the-art time series forecasting models, evaluated their code quality by running code on self-created platforms using PyTorch, tracked the errors, and fixed bugs
- Helped revise Lab's implemented model, SCINet, improved its accuracy by 10% and efficiency by 30%

**Research Assistant** **Hong Kong Logistics Robotics Centre** **May 2021 – Sept 2021**

- Manipulated robots, observed status and signals,and reported bugs to directors
- Tested driver program, debugged the code using ArcGIS to improve the positioning accuracy of robots
- Proactively created a C++ program to automate the creation of the machine learning data which reduced manual work by estimated ten days

## PROJECTS

- **Twitter-Clone APP (Jan 2023 – Apr 2023):** Worked with a team of five, served as project manager, and developed a twitter-clone application that can tweet, re-tweet, like/dislike, comment, and so on. Including innovative functions like anonymous tweets. Responsible for back-end & frond-end developing, debugging, and documentation writing, final presentation.
- **Linux File System:** Implemented a simple file system (code), which observes ext3/4 file system attributes, and is capable of basic file read/write.
- **Repo-Skeleton (Jun 2022 – Sept 2022):** Programming Pytorch code for an integrated platform for time-series forecasting AI (code)

## AWARDS AND HONORS

- **ELITE Scholarship in academic year 2021/2022 (Sept 2022)**
  Attained outstanding academic performance in Faculty of Engineering, fulfilled strict GPA and CGPA requirements(3.7/3.5), and participated in two required academic activities. (Details)
- **Honors at Entrance, the Chinese University of Hong Kong (Sept 2020)**
  Gained outstanding academic achievements on admission to the Chinese University of Hong Kong

## SKILLS AND LANGUAGES

- **Programming Language:** Python, Node.js, Java, C, Python, PyTorch, SQL, RISC-V Assembly Language, Perl, Prolog, SML
- **Technologies:** Git, Flask, Celery, React.js, Docker, Bootstrap, Linux, Vim
- **Software:** Microsoft Office, ArcGIS, IBM SPSS, Adobe PS/PR
- **Spoken Language:** Mandarin (Native speaker), English (Fluent), Cantonese (Proficient), Hokkien (Conversant)