311R Lee Qui Wei Hall,
University Ave,
Shatin, N.T., Hong Kong
Personal website

JIAN YI(EASY)

(+852) 9048-0524
yijian2427@gmail.com
github.com/liqiushui2427

EDUCATION

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:** Design and Analysis of Algorithms, Operating Systems, Object-Oriented Design and Development, Database system, Software Engineering, Principles of Programming Lang, Fundamentals of AI,

WORK EXPERIENCE

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

- Enhancing the performance of Lab's models by reducing redundant computation by introducing state-of-the-art neural network's code
- Involving 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, improving its accuracy by 10% and efficiency by 30%
- Summarized works with a formal 10-page report and made 30-minute presentation to faculty project directors.

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 AND CONTESTS

Academic Projects

- **Twitter-Clone application (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.
- **DeepCI (Dec 2022 - Feb 2023):** Programming Pytorch code for a potential EC2023 conference Paper DeepCI.
- **Linux File System:** Implemented a simple file system (code), which observes ext3/4 file system attributes, and is capable of basic file read/write.
- **CURE Lab CUHK (Jun 2022 – Sept 2022):** Programming Pytorch code for an integrated platform for time-series forecasting AI (code)

Competition

- **ESTR2102 Programming Contest (Mar 2022):** Took a data structure and algorithm design Programming Competition with ACM system adopting C language, solving 60% of problems and ranking in the top 20% among a batch of 100 participants

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