DAI Ruyi Daisy

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EDUCATION

The Chinese University of Hong Kong, C. W. Chu College   *September 2021 – Present*
Faculty of Engineering, Major in Computer Science (Artificial Intelligence)
CGPA: 3.57/4.00
Relevant Coursework: Problem Solving by Programming, Introduction to Computing using Python, Multivariable Calculus for Engineers, Probability and Statistics, Engineering Economics

PROFESSIONAL & ACTIVITY EXPERIENCE

Real-Time Video Matting for Privacy Preservation   **The Chinese University of Hong Kong**
Research Assistant   *Nov 2022 – Oct 2023*
- Led data collection and preprocessing for study on real-time video matting, focusing on preserving privacy in multi-person scenes, developed and trained DEDNet, a network with privacy filter and alpha matte refiner
- Co-authored paper on TP-Matting and DEDNet submitted to IEEE-TIP 2024

Investigating Cultural Bias in Language Models   **The Chinese University of Hong Kong**
ARISE Lab · Research Assistant   *Jan 2023 – Aug 2023*
- Executed a thorough assessment of cultural biases in AI platforms and LLMs such as ChatGPT, pioneered strategies for bias reduction, offering critical insights into global user experience
- Co-authored a research paper exploring findings, submitted to ACL ARR-February 2024

Use ML for RF Fingerprint Identification   **The Chinese University of Hong Kong**
Research Assistant   *March 2022 – Aug 2022*
- Participated in advanced scientific research project, actively contributing to discussions and report sessions
- Implemented ML tools like PyTorch for rigorous practice, simulations, and experimental applications

LEADERSHIP & COMPETITION EXPERIENCE

2023 Goldman Sachs APAC Women's Trader Academy   **Hong Kong**
Participant   *May 2023*
- Engaged in an intensive training program aimed at understanding the role of being a trader at GS, with activities such as trading overviews, panel discussions, trading floor tours, and group projects
- Developed advanced trading skills via vendor-led training and market-making simulations

2022 WQBRAIN Global Alphathon   **Hong Kong**
Team Member   *Aug 2022 – Nov 2022*
- Crafted high-performance alpha with high fitness, Sharpe, and low turnover rate, honed using historical U.S. equities data up to 2020 and consistently forecasting positive PnL for 2021 across diverse market conditions.
- Expedited team success to an APAC 2nd place ranking and 19th globally through skillful alpha integration

WORKING EXPERIENCE

Python Developer   **Hong Kong**
Legal Expression · Part-time   *May 2023 – Aug 2023*
- Co-founded an early-stage start-up and secured support for several STEM projects within six months
- Built Linkedin crawling autobot, leveraging skills in Selenium web driver, bs4, and other relevant techniques

AWARDS & SCHOLARSHIPS

Liu Shai-Tat & Yu Chi-Hing Memorial Scholarship, the Chinese University of Hong Kong   *May 2023*
ELITE Stream Scholarship, the Chinese University of Hong Kong   *Aug 2022*
Dean's List of Engineering Faculty, the Chinese University of Hong Kong   *Jul 2022*
Shanghai Popular Science in English for High School Students, Bronze Award   *Oct 2019*
Shanghai Students' Art Festival for Piano, Gold Award   *Oct 2018*

SKILLS & INTERESTS

- *Technical*: Microsoft Suite, Video editing, Plotting, C, Python (Pytorch), Java, Machine Learning
- *Languages*: Mandarin Chinese (Native), English (Fluent, TOEFL 101), Japanese, Cantonese