

MOSES LIEW

Myl43@cam.ac.uk | +852 56210836

Languages

English, Mandarin, Cantonese

Python, C++, (SQL), (MATLAB)

Education

University of Cambridge/University of Hong Kong Dual Degree Program

2020 – Present

First Class | CGPA: 4.00 | Bachelor of Engineering, Systems Analytics/Information Engineering

- Hong Kong Innovation and Technology Scholarship 2022
- Ken K.W. Leung Memorial Scholarship 2021 (Top 2 students in department)
- The Laidlaw Undergraduate Research and Leadership Scholarship 2020
- HKU Dean's Honours List 2021, 2022
- Industrial & Manufacturing Systems Engineering Prize 2022

Professional Experiences

Jane Street, Strategy & Product

June 2023 – September 2023

- Worked with cross-departmental teams to improve existing workflows.
- Scraped and processed public data for research and project scoping.

HKU Faculty of Engineering, Research Assistant

June 2022 – August 2022

- Developed an improved covariance matrix estimator for risky assets, utilizing MATLAB simulations to model results and enhance financial returns analysis.
- Self-taught mathematical models and implemented them, improving existing theory and identifying weaknesses to inform future research.

Projects

Cambridge Existential Risks Initiative- HackX

November 2022

- Led a team to create AI-Spy: an automated system to validate and verify AI outputs.
- Created a proof-of-concept on validating the output of Large Language Models in text summarization and finding hallucinations.
- Presented business model and potential future applications under a theory-of-change framework.

Report on Machine Learning-Based Error Classification

February 2022 – May 2022

- Machine Learning-based prefabrication installation error analysis for RFID-enabled BIM systems
- Compared performance of various algorithms including Naïve Bayes and Random Forest over error analysis for real-world construction data, identifying RF as the outperformer on this dataset.

Leadership & Activities

BREED HKU, President (Promoted from Member)

November 2020 – August 2022

- Led one of the largest student-run groups in HKU to promote bio-inspired robotics and develop the world's fastest robotic fish.
- Since promotion, membership has more than tripled and the outreach branch of the group has established formal collaboration with various partner organizations including the HKIMT.