Yuxuan Liu

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EDUCATION

M.Eng Engineering, Christ's College, University of Cambridge | CAMBRIDGE, UK   **OCT 2018 – JUN 2022**

- Core Modules: Mathematical method, Computing, Electrical and information engineering, Mechanical engineering, Business & Economics, Structural & Material engineering
- Academic Societies: Cambridge University Engineering Society, Cambridge University Finance & Investment Society

Clongowes Wood College | KILDARE, IRELAND   **SEP 2016 – JUN 2018**

- Irish Leaving Certificate: Maths (H1), Physics (H1), Chemistry (H1), Biology (H1), Accounting (H1), Applied Maths(H1)
- Sixth Term Examination Paper(STEP): Mathematics 1 (Grade 1)

WORK EXPERIENCE

INDUSTRIAL AND COMMERCIAL BANK OF CHINA | DALIAN, CHINA   **JUL 2019 – AUG 2019**

Corporate Banking Analyst (internship)

- Followed instructions to complete daily tasks such as collecting & visualizing data and writing reports.
- Built and presented an algorithm trading demo and Python scripts for financial valuation to a group of colleagues.
- Built a scraper to acquire key information in financial reports and stored the information into SQL database.
- Selected to accompany managers to visit customer corporates based on communication skill.

DALIAN MARINE DIESEL CO. LTD | DALIAN, CHINA   **JUN 2017 – AUG 2017**

Assistant Engineer (internship)

- Inspected workshops with over 20 workers and provided technical support where needed.
- Working with other engineers in groups to conduct quality check and tests on the 7-G80MEC engine.
- Summarised information from daily meetings and presented key points to a group of 10 technicians.

COURSEWORK & PROJECTS

PERSONAL ACADEMIC BLOG | HTML/CSS   **AUG 2019 – PRESENT**

- Logical thinking is my personal academic blog with over 1k visitors by now.
- It includes notes on various topics such as Programming, Finance. New contents are uploaded regularly.

PORTFOLIO TRADING ALGORITHM | PYTHON   **JUL 2019 – PRESENT**

- My trading algorithm is built using Quantopian which implants classical methods such as Portfolio Optimisation.
- The algorithm is actively developed to implant other modern methods and some experimental methods I developed.

PARTIAL FLOOD WARNING SYSTEM | PYTHON   **JAN 2019 – FEB 2019**

- Built a computational backend to a real-time flood warning system for England.
- Working in groups to carry out numerical analysis on current river level data.
- Assess risk of river level based on the predicted future level as well as the current level.

SKILLS, INTERESTS AND AWARDS

Languages: Chinese(native), English (business proficiency)

Technical Skills: Proficiency: Python(especially Numpy, Pandas, Matplotlib)

Experience: C, C++, MySQL

Exposure: HTML, Matlab, Solidworks, Git

Interests: Skiing, Basketball, Kayaking, Travelling and Reading

Awards: 1st Place in the 2019 Cambridge University Engineering Society Hackathon

Clongowes Wood College Palles Gold Medal for the top-scorer in Maths

Clongowes Wood College diligence Medal merit-based prize for top-performed students in the senior cycle