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 (Events officer), Hackbridge (Jumpstart backend developer)

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, LINUX　　　**AUG 2019 – PRESENT**

- Logical thinking is my personal academic blog with over 2k visitors by now.
- It includes notes on various topics such as Programming, Finance. New contents are uploaded regularly.
- Integrated a stable personal net disk with GUI on a Linux cloud server based on Nextcloud.

CAVE RESCURE ROBOT | C++　　　**JAN 2020 – MAR 2020**

- Worked in group to design and build a demonstrator robot to carry out a simplified cave rescue mission with Arduino.
- Developed a searching algorithm to detect victims and a correction algorithm to fix unstable readings from sensors.
- Carried out tests in the final stage and adjust codes to improve stability of searching.

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, Linux

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Interests: Skiing, Basketball, Kayaking, Travelling

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

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