

## EDUCATION

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### 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 project Tech lead)

### 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

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### 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 & visualising data and writing reports.
- Built and presented a portfolio optimisation demo and 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

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### 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 RESCUE 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 adjusted 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

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

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

Experience: C, C++, MySQL, Linux

Exposure: HTML, Matlab, Solidworks, Git

**Interests:** Skiing, Basketball, Kayaking, Travelling

**Awards:** 1<sup>st</sup> 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)