

Chong You Lien

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EDUCATION

Imperial College London, United Kingdom Oct 2017 – Jun 2021 (Expected)

□ **MEng Aeronautical Engineering (4YFT)**

□ **2nd Year:** 1st Class Honours

□ **Relevant modules:** Aerodynamics (83%), Mathematics (87%), Structural Mechanics and Dynamics (77%), Numerical Analysis (81%)

Raffles Institution, Singapore

Jan 2009 – Dec 2014

□ **Singapore GCE A-Levels:** 7 distinctions, including Mathematics (H2 & H3), Physics (H2) and Chemistry (H2).

WORK EXPERIENCE

StudentShapers, Imperial College London

Jun 2019 – Aug 2019

Student Partner

- Designed pedagogical material for Structural Mechanics and Dynamics module.
- Wrote bespoke interactions for materials in HTML/CSS/JavaScript to facilitate teaching.
- Developed digital learning and self-assessment platform on the iPad.
- Explored and built prototypes in Python (Jupyter Notebook).
- Managed stakeholder interactions with lecturers, students and school authorities.
- Provided technological support for lecturer in the following academic year.

Inland Revenue Authority of Singapore

Feb 2017 – Jun 2017

Tax Officer

- Achieved Top Performer award (given to top 5% KPI) for efficiency and excellence.
- Handled enquiries in person and over the phone in both Mandarin Chinese and English.
- Carried out follow-up documentation and paperwork in Individual Income Tax.

KEY EXTRACURRICULARS

Imperial College Bridge Club

Oct 2017 – Present

President

Aug 2019 – Present

- Created learning materials for members aimed at increasing specific knowledge absorption and retention.
- Organised internal events for club members to increase exposure to competition.
- Liaised with university clubs around the UK on competitions held in London.

Competitions Secretary

Aug 2018 – Jul 2019

- Taught and guided new members for competitions.
- Participated in inter-university tournaments organised by the English Bridge Union, and other clubs in the UK.

International Service Learning Elective, Raffles Institution

Feb 2013 – Mar 2014

Secretary Committee

- Organised and executed fortnight-long volunteering project in Vientiane Province, Laos.
- Project involved renovation of village school, and teaching schoolchildren.
- Planned and managed finances and fundraising efforts totalling over US\$10,000
- Taught extracurricular and tuition lessons to needy children in Singapore.

SKILLS

Languages:

English (fluent)

Mandarin Chinese (fluent)

Japanese (beginner)

Programming:

Python 3 (proficient)

HTML/CSS/JavaScript (proficient)

C++ (competent)

Java (familiar)

Programs (Engineering):

MATLAB (proficient; familiar with Simulink and Statistics & Machine Learning Toolbox)

PTC Creo (proficient)

Autodesk Fusion 360 (competent)

CES Edupack (proficient)

ACHIEVEMENTS

Bridge

1st, Warwick Cup 2018

3rd, London Cup 2017

(inter-university competitions)

2nd, Raffles Pairs 2014

3rd, Inter-school Teams 2014 (high school-equivalent level competitions)

OTHER ACTIVITIES

Machine Learning Society

Participated in group learning on Reinforcement Learning.

Implemented and tested agents to solve single-player games in OpenAI Gym (Python 3).

Participated in Junction 2018 (Hackathon).

References are available on request.