

# Chong You Lien

+44 7591 136 065

lienchongyou@gmail.com

lienchongyou.github.io

## EDUCATION

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

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

□ **2<sup>nd</sup> Year:** 1<sup>st</sup> 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**

1<sup>st</sup>, Warwick Cup 2018  
3<sup>rd</sup>, London Cup 2017  
(inter-university competitions)

2<sup>nd</sup>, Raffles Pairs 2014  
3<sup>rd</sup>, 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.**