

Man Yui Lee (Coco)

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EDUCATION

Imperial College London

MSc Degree in Biomedical Engineering (Biomechanics and Mechanobiology)

United Kingdom

Expected Sep 2023

- **Graduation with *Distinction* (Expected)**

- **Quantitative Modules:** Statistics & Data Analysis, Regression and Correlation Analysis, Probability theory, Biomechanics

- **Dissertation:** Automation with large scale integration of PMMA microfluidic chips for high-content ophthalmic drug screening.

University of Sheffield

BEng Degree in Bioengineering (Biomaterial science & Tissue Engineering)

United Kingdom

Sep 2019 – Jun 2022

- **Graduated with *1st Class Honours***

- **Quantitative Modules:** Engineering Mathematics I & II, Engineering Finance and Law, Computational Engineering (Python)

- **Dissertation:** Conducted image and data analysis of an Organ-on-a-Chip model using ImageJ and CFD ANSYSTM Fluent. This was carried out for a high-throughput fluidic platform that replicated the bi-directional blinking motion of an eyelid on cornea.

Wymondham College: UK A-Levels – 3A 1C (Maths, Biology, Physics, Chinese)

United Kingdom

St. Mary's Canossian College

Hong Kong

WORK EXPERIENCE

Chinese University of Hong Kong

Summer Undergraduate Research Programme – Research Attachment

Hong Kong

Jun 2021 – Aug 2021

- Conducted image and data analysis on deformability of red blood cells (~1000 cells/sec) in a high-throughput fluidic platform.
- Collaborated with a research group of 17 and delivered weekly presentations to communicate up-to-date research progress.
- Honored Best Presentation Award for effectively communicating complex findings to 80+ interdisciplinary engineering participants.

China Development Bank Hong Kong Branch

Filling and Secretarial Clerk

Hong Kong

Jul 2019 – Aug 2019

- Handled 50+ confidential documents daily, worked collaboratively in a team of 5 while ensuring timely completion of tasks.
- Cooperated with diverse departments, addressing requests professionally and maintaining positive working relationships.

Chinese YMCA of Hong Kong (Kowloon Centre)

Senior Mentor (Part time)

Hong Kong

Jul 2018 – Sep 2022

- Planned and prepared programs for 30+ participants. Led and guided 5+ junior mentors on implementing program activities.
- Led and guided more than 5 junior mentors in planning, evaluating, and adjusting of program activities for participants.

COMPETITIONS & AWARDS

University of Sheffield 'Engineering You're Hired' National Business Pitch Competition – Finalist

Project associate - Hip implant coating with RGD-CS-Ti

United Kingdom

Feb 2021

- Came 1st out of 20 teams cooperating in a team of 6, dedicated to commercialising a novel bioengineered hip implant coating.
- Evaluated 10 years of profit margins by conducting rigid cost analysis, potentially saving the NHS 4.62million per year post-launch.

Global Engineering Challenge & EWB Engineering for People Design Challenge - Finalist

Project Leader - Digital Travel Information

United Kingdom

Mar 2020

- Led a team of 6 interdisciplinary engineers devising a mobile application targeting real-life transportation issues with potential 22,500 users in Johannesburg. The proposal was recognized as the Best communicated overall solution among a field of 15 teams.
- Implemented comprehensive stakeholder analysis to identify all relevant parties, ensuring the design has met all requirements.

Institution of Engineering and Technology (IET) Diamond Jubilee Scholarship 2019

United Kingdom

EXTRACURRICULAR ACTIVITIES

Imperial College & University of Sheffield Women's Basketball - First Team

Team Player

United Kingdom

Sep 2019 - Present

- Represented university competitively in UK National leagues, demonstrated extraordinary commitment and team working.

University of Sheffield Hong Kong Society

Secretary

United Kingdom

Sep 2020 - Jun 2021

- Facilitated communication between 50+ society members and the committee, ensuring efficient and timely responses to inquiries.
- Organized and managed the society's meetings, taking minutes and circulating agendas to ensure the smooth running of events.

SKILLS & CERTIFICATES

- Highly skilled at Excel, SQL, Tableau, Python Pandas, MATLAB. Advanced at BigQuery, Power BI, AnsysTM Fluent.
- Certifications: Data Analytics Bootcamp by Alexander Freberg
- Native in English, Cantonese. Fluent in Mandarin.