

# Man Yui Lee (Coco)

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## EDUCATION

### Imperial College London

United Kingdom

MSc Degree in Biomedical Engineering (Biomechanics and Mechanobiology)

Expected Sep 2023

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

- **Modules:** Statistics & Data Analysis, Biomechanics, Physiological Fluid Mechanics, Orthopaedics, Medical device Certification
- **Dissertation:** Automation with large scale integration of PMMA microfluidic chips for high-content ophthalmic drug screening.

### University of Sheffield

United Kingdom

BEng Degree in Bioengineering (Biomaterial science & Tissue Engineering)

Sep 2019 – Jun 2022

- **Graduated with *1<sup>st</sup> Class Honours***

- **Modules:** Engineering Mathematics I & II, Engineering Finance & Law, Project Management, Computational Engineering (Python)
- **Dissertation:** Conducted image and data analysis of an Organ-on-a-Chip model using ImageJ and CFD ANSYS<sup>TM</sup> 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

Hong Kong

Summer Undergraduate Research Programme – Research Attachment

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

Hong Kong

Filling and Secretarial Clerk

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)

Hong Kong

Senior Mentor (Part time)

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

United Kingdom

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

Feb 2021

- Came 1<sup>st</sup> 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

United Kingdom

Project Leader - Digital Travel Information

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

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, Ansys<sup>TM</sup> Fluent.
- Certifications: Data Analytics Bootcamp by Alexander Freberg
- Native in English, Cantonese. Fluent in Mandarin.