

Education

Imperial College London MEng Biomedical Engineering **2018-Present**

- Second Year: 1st Class; First Year: 2:1
- Solid Mechanics; Fluid Mechanics; Heat and Mass Transport System; Thermodynamics and Kinetics; Programming (C, C++); Digital Logic; Signals and Control Processing; Electrical Engineering; Medical Science; Maths; Electromagnetics, Vibrations and Waves; Advanced Signal Processing

La Salle College Secondary School **2012-2018**

Hong Kong Diploma of Secondary Education (HKDSE): Maths(5**), Physics (5), Chemistry (4)

Working Experiences

Imperial College London **Jan 2021 - Present**

Undergraduate Teaching Assistant - Electronics and Vibrations

- Assisting Year 1 students using oscilloscopes, probes, OrCAD, circuitry making and connection

Hong Kong Applied Science Technology and Research Institute **Jul 2020 - Aug 2020**

Research and Development Summer Intern, Integrated Circuit and Systems

- Designed and implemented a system which uses the near infrared camera to capture heart rate remotely with a focus on facial recognition and analysis
- Created algorithm with OpenCV and Tensorflow, with implementation of rPPG and FISTA

Imperial College London **Jul 2020 - Sept 2020**

Researcher, Undergraduate Research Opportunities Programme, Dr. Christopher Rowlands

- Designed and manufactured micro-fluid chip for drug delivery which also enables mixing of drugs of different grid by using the principle of heat actuation
- Proposed a circuit design for the heat actuation with OrCAD system and had hands on insight with LabView

Extra-Curricular

Treasurer, City and Guilds College Union (Imperial College London) **Aug 2020 - Present**

- Handle £100k in transactions for Imperial Engineering Student Union of 4K+ students for planning of campus-wide events; Overlook £600k+ from 8 departmental societies (Computing, BioEng etc)

Treasurer, Imperial College London Bioengineering Society **Aug 2019 - Aug 2020**

- Organised social, industrial and wellbeing events for 800+ undergraduates for the Department of Bioengineering

Treasurer, La Salle College Student Association **Sep 2016 - Aug 2017**

- Handle £500k in transactions for the secondary school student union of a total of 1200+ students for planning of campus-wide events

Skills

Languages - Native in English, Cantonese; Fluent in Mandarin Chinese, familiar with Java, Javascript, C++, Python

Technologies - Experienced with Git, Google Cloud Platform, Solidworks, OrCAD; familiar with Unix/Linux/macOS

Achievement

HealthHack Gaming Category Winner (Imperial College London) **Feb 2020**

Best Devotion to School (South China Morning Post) **Jul 2018**

Good Lasallian Award **May 2018**