

HON KWAN ALLAN LEE

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EDUCATION

Imperial College London

September 2018-Present

Final year MEng Biomedical Engineering, predicted 1st class

Exp. Graduation 2022

La Salle College

September 2012-June 2018

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

WORKING EXPERIENCE

Undergraduate Teaching Assistant

January 2021-October 2021

Imperial College London, Department of Bioengineering

- Assisted in the delivery of in-person labs on Mechanics and Electronics for first year cohorts
- Assisted and troubleshooting circuitry problems from cohorts in building a digital stethoscope
- Assisted in the simulation and design of circuitry using OrCAD with cohorts

R&D Summer Intern, Integrated Circuit and Systems

July-August 2020

Hong Kong Applied Science Technology and Research Institute

- Conducted a project with the largest government-funded R&D centre in Hong Kong for applied science and engineering as a paid summer internship role
- 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 an algorithm with OpenCV and TensorFlow, with implementation of rPPG and FISTA

EXTRA-CURRICULAR

Vice-President, City & Guilds College Union

July 2021-October 2021

Co-opted as a full-time paid role throughout summer of 2021

Treasurer, City & Guilds College Union

August 2020-Present

- Reelected for the 2021-2022 academic year
- Elected to handle £600,000+ financial transactions
- Organised the Engineering Welcome Dinner, managing a budget of £60,000 with 500 attendees.
- Working in a team of 20 student volunteers with a range of remits including education, welfare and events in supporting over 6,300 Imperial undergraduate and postgraduate engineers
- Secured the highest Faculty of Engineering grant to June 2021 of £13,430
- Advised 17 clubs and societies with regards to finance and governance matters

PROFESSIONAL SKILLS

Languages

Native: English & Cantonese; Fluent: Mandarin

Computer Languages

C, C++, C#, MATLAB, Python, JavaScript

CAD Software

Solidworks, OrCAD, Altium

Software Library & Tools

Git, Unity, Google Cloud Platform, HTML, OpenCV, TensorFlow

L^AT_EX, Microsoft Office

AWARDS AND ACHIEVEMENT

Full Colours - City & Guilds College Union

June 2021

HealthHack Gaming Category Winner - Imperial College London

February 2020

Best Devotion to School - South China Morning Post

June 2018