

Hon Kwan Allan Lee

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Flat 4, 22 East Castle Road, Edinburgh EH10 5AR, United Kingdom

EXPERIENCE

Product Test Engineer | CIRRUS LOGIC

Sept 2022 - Present | Edinburgh, United Kingdom

- Worked on wearable health and general market mixed signal products
- Design innovative multi-sites hardware and software solutions to achieve low test time and minimise production costs
- Optimise and monitor production yield
- Develop robust and precise automated test equipment characterisation and qualification solutions
- Collaborate with integrated circuit design engineers to define test methodologies and lead design for test efforts pre-silicon

R&D Summer Intern, Integrated Circuit and Systems | HONG KONG APPLIED SCIENCE TECHNOLOGY AND RESEARCH INSTITUTE

Jul 2020 - Aug 2020 | Hong Kong

- 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

EDUCATION

Imperial College London MENG BIOMEDICAL ENGINEERING

Sept 2018- July 2022 | United Kingdom

First Class Honours

- Modules Include: Medical Bioscience, Electronics Design, Signal Processing, Programming, Integrated Circuit Design
- Final Year Project(Individual): Designed circuitry for the powering and sensing of stretchable conductors for wearable device
- Third Year Project(Group): Designed and fabricated microchannels with endothelial cell culture, a collection reservoir, and a immunoPET photodiode sensing system.
- Became Undergraduate Teaching Assistant for two years, assisted in the delivery of in-person labs for first year cohorts
- Extra Curricular Activities: Treasurer of City & Guilds College Union (Imperial College Engineering Union), Member of Fencing Team

La Salle College HONG KONG DIPLOMA OF SECONDARY EDUCATION (HKDSE)

Sept 2012 - June 2018 | Hong Kong

Maths(5**), Physics (5), Chemistry (4)

PROFESSIONAL SKILLS

Languages

Computer Languages

CAD Software

Software Library & Tools

Electronics Software & Skills

Native: English, Cantonese **Fluent:** Mandarin

C, C++, C#, MATLAB, Python, JavaScript, HTML, CSS

Solidworks, OrCAD, Altium, Cadence Virtuoso, LTspice

Git, Unity, Google Cloud Platform, Firebase, \LaTeX , Microsoft Office, MySQL, JMP

Oscilloscope, DMM, Soldering, IG-XL, LabView, VISA Protocol

POSITION OF RESPONSIBILITY

TRUSTEE | OLD CENTRALIANS' TRUST

July 2023 – Present | London, United Kingdom

HONORARY TREASURER & EX OFFICIO DIRECTOR | CITY AND GUILDS COLLEGE ASSOCIATION

July 2023 – Present | London, United Kingdom