

# Hon Kwan Allan Lee

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## EXPERIENCE

### Product Test Engineer | CIRRUS LOGIC

Sept 2022 - Present | Edinburgh, United Kingdom

- Worked on low-power wearable health and general market mixed signal products (Amplifiers, ADC)
- Design innovative multi-sites hardware and software solutions to achieve low test time and minimise production costs
- Reduced test time by 70% through test flow optimization and parallel test enablement
- Developed scripts to automate data extraction and validate errors during the OTP process
- Led device characterization over process, voltage, and temperature (PVT) conditions
- Collaborated with product, and quality teams to resolve test and yield issues
- Assisted in bench-to-ATE test correlation and validation
- 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
- Became Undergraduate Teaching Assistant for two years, assisted in the delivery of in-person labs for first year cohorts

### 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,  $\text{\LaTeX}$ , Microsoft Office, MySQL, JMP, VISA

UltraFLEX, Oscilloscope, DMM, Soldering, IG-XL, LabView, SPI, I2C

## 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