

Ho Soon Zhi (Brandon)

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EDUCATION

Imperial College London

London, UK

MEng Computing

Sep. 2019 – Jul. 2023

- On track for First Class with Dean's List in Year 2.
- Achieved 93% in Java finals with full marks in concurrency.
- Achieved 94% in C group project - Built an ARM11 emulator and assembler.
- Modules include Operating Systems, Networks & Communications and Software Engineering Design.

WORK & VOLUNTARY EXPERIENCE

Tech Intern

Kuala Lumpur, Malaysia

DoctorOnCall (MedTech Company)

Jul. 2021 – Present

- Spearheaded back-office transformation through automation. My projects include developing robotic process automation API to access legacy government portals, enabling user data cleaning and setting up cron jobs for batched Google PageSpeed testing. These have collectively yielded cost savings of RM500,000 (~£90,000).

Junior Consultant

London, UK

Imperial Junior Solutions

Feb. 2021 – Mar. 2021

- Worked remotely with professional networking startup - Revmo.
- Communication and coordination were done through Slack, Linear and Zoom.
- Designed end-to-end testing with Cypress and assisted in React frontend development of MVP.

Web Development Intern

Kuala Lumpur, Malaysia

Curlec (FinTech Startup)

Jun. 2020 – Aug. 2020

- Assisted the integration of Two-Factor Authentication for PCI DSS compliance.
- Developed a URL shortener for internal services.
- Supported R&D for the early-stage development of an e-Signature platform.

Head of UK

London, UK

iCUBE International

Mar. 2020 – Apr. 2021

- Non-profit student-led organisation focused on fostering entrepreneurship amongst Malaysian students.
- Worked with and led a team of 70 committee members.
- Strategised on core tenure objective - to increase the interest of non-STEM students towards entrepreneurship. Our efforts resulted in a 2x growth in participation by non-STEM students across our initiatives.

PROJECTS

eklan.my | *React, NodeJS, Express, MongoDB*

Nov. 2020 – Present

- Started with a group of friends when we realised that it was difficult to discover local home businesses.
- Developed an online directory for home businesses in Kota Kinabalu to support and uplift the local community amidst the pandemic. We have onboarded about 150 vendors to date.
- Sponsored by a state assemblyman to organise an online Chinese New Year night market for existing vendors amidst the pandemic. They collectively made RM5,000 (~£900) in sales.

Basket | *Flutter, Firebase*

Jun. 2021 – Aug. 2021

- Developed a mobile app that aims to help food charities streamline external communications and make it as easy as possible for businesses to donate.
- Engaged by consulting group to explore collaborations.

WACC Compiler | *Java*

Jan. 2021 – Mar. 2021

- Engineered a compiler from scratch with ANTLR for the WACC language.
- Implemented extensions such as strongly-typed pairs, classes and dynamic variables.

PintOS | *C Programming Language*

Oct. 2020 – Dec. 2020

- Team project to extend a simple operating system with advanced features.
- The team implemented support for user programs, priority scheduling and virtual memory.

TECHNICAL SKILLS AND INTEREST

Programming Languages: Java, C, JavaScript, Haskell, Dart, Python.

Technologies / Framework: Git, React, NodeJS, Flutter, Cypress, exposed to CI/CD and Docker.

Languages: Fluent in English, Mandarin, Cantonese, Hakka and Taishanese. Intermediate in Malay.

Awards: Microsoft Azure Award (InvestHack 2020 by Bursa Malaysia).

Extracurricular: Amateur pianist (ABRSM Grade 7), Karateka (1st Dan Black Belt)