

Ho Soon Zhi (Brandon)

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EDUCATION

Imperial College London

MEng Computing

London, UK

Sep. 2019 – Jul. 2023

- On track for First Class with Dean's List in Year 2.
- Undergraduate Teaching Assistant in Year 3 for programming tutorials.
- 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

DoctorOnCall (MedTech Company)

Kuala Lumpur, Malaysia

Jul. 2021 – Sep. 2021

- Spearheaded back-office transformation through automation. My projects include developing robotic process automation API to access legacy government portals, enabling bulk user data cleaning & upload, and setting up cron jobs for batched Google PageSpeed testing. These have collectively yielded cost savings of RM500,000 (~£90,000).
- Built an API to track user activity throughout the site. These data will later be used to develop recommendations.

Junior Consultant

Imperial Junior Solutions

London, UK

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

Curlec (FinTech Startup)

Kuala Lumpur, Malaysia

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

iCUBE International

London, UK

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.

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

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

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