

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.
- Recipient of Palantir Global Impact Scholarship.
- Dean's List Award (Top 10% in cohort) in Year 2.
- Undergraduate Teaching Assistant for programming tutorials in Year 3.
- Modules include Operating Systems, Networks & Communications and Software Engineering Design.

WORK EXPERIENCE

Forward Deployed Software Engineer

London, UK

Palantir Technologies

Mar. 2022 – Aug. 2022

- Developed data pipelines and digital solutions with Foundry for the National Health Service (NHS) to reduce the backlog of patients waiting for elective care after the pandemic.

Tech Intern

Kuala Lumpur, Malaysia

DoctorOnCall (MedTech Company)

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.

Software 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.

PROJECTS

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

Nov. 2020 – Present

- Started this community project when my friends and I 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. The event garnered 12,000 live viewers and vendors collectively made RM5,000 (~£900) in sales.
- Organised a donation drive and helped 16 families who were struggling due to long periods of lockdown.

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

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

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 Bursa Malaysia 2020), Top 10 of 180 teams (Jacobs Startup Competition 2021), Finalist (Malaysia Global Innovation Centre University Startup Challenge 2020).

Extracurricular: Head of UK (20/21) @ iCUBE International (Non-profit student-led organisation focused on fostering entrepreneurship amongst Malaysian students), Amateur pianist (ABRSM Grade 7), Karateka (1st Dan Black Belt, former national representative).