

# Ho Soon Zhi (Brandon)

+447378984899 | [soon.ho19@imperial.ac.uk](mailto:soon.ho19@imperial.ac.uk) | [linkedin.com/in/bhsz/](https://www.linkedin.com/in/bhsz/) | [github.com/bhsz](https://github.com/bhsz)

## EDUCATION

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### Imperial College London

London, UK

*MEng Computing (First Class Honours)*

Sep. 2019 – Jun. 2023

- Recipient of Dean's List Award in 2021 and Palantir Global Impact Scholarship in 2022.
- Undergraduate Teaching Assistant for programming tutorials.
- Modules include Operating Systems, Software Engineering, Reinforcement Learning and Natural Language Processing.
- Thesis: "Bifrost - Fine-grained data sharing with Intel SGX" supervised by Dr Holger Pirk.

## WORK EXPERIENCE

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### Forward Deployed Software Engineer

London, UK

*Palantir Technologies*

Aug. 2023 – Current

- Deploying the Care Coordination Solution (CCS) across different NHS trusts as part of the Improving Elective Care Coordination for Patients (IECCP) programme.

### Forward Deployed Software Engineer Intern

London, UK

*Palantir Technologies*

Mar. 2022 – Aug. 2022

- Worked with the UK National Health Service (NHS) to tackle patient backlog for elective care.
- Technical implementation lead on the [Timely Care Hub \(TCH\)](#) pilot, a solution built on Foundry where staff can track tasks and patient statuses live to improve quality of care, discharge planning and patient flow.

### 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

- Collaborated 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

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[eklan.my](#) | *React, NodeJS, Express, MongoDB*

Nov. 2020 – July. 2021

- 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.

**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

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**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), Winner (iCUBE Startup Weekend 2020).

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