

Education

Imperial College London (BEng Computing)

October 2017 - Present

Modules include: Programming (Haskell, Java, C), Graphs and Algorithms, Hardware, Computer Architecture, Reasoning about Programs, Databases, etc.

- First year: First-class average
- Extracurricular: Facebook Hack-a-Project • Active member of Indonesian Society and Badminton Society

Concord College, Shrewsbury

September 2015 – June 2017

A levels (**4A*s, 1 distinction**): Maths, Further Maths, Physics, Economics, AEA Maths.

Singapore School PIK, Jakarta

July 2006 – June 2015

IGCSE (**10A*s**)

- Awarded highest mark in Indonesia for IGCSE Extended Mathematics.
- First place and valedictorian at 9th and 10th grade.

Projects

Pi-ano (ARM Group Project)

June 2018

- Developed an ARM emulator and assembler from scratch using C.
- Designed an interactive musical keyboard for the Raspberry Pi using LEDs, buttons and a GUI to teach users how to play simple melodies.

Calorie Camera (Health Hack 2018)

March 2018

- Android app coded in Java that identifies and displays nutritional content of various food items from phone's camera using Microsoft's Computer Vision API.
- Designed the app logo and user interface.

Fire (IC Hack 2018)

January 2018

- Simple Android 2D shooting arcade game with voice-activated controls using Java in Android Studios.
- Designed the logic of the game and the game's user interface.

Experience

Work shadowing – UOB Bank Indonesia

August 2016

- Worked alongside the SIS (Shared Infrastructure Services) and learnt how to effectively rectify internal IT problems and fulfil IT requests.

Work shadowing – MSIG Insurance Indonesia

July 2016

- Studied how actuaries utilise past claims data to produce a claims triangle report used in the projection of future claims.
- Formulated triangulation tables by extracting raw data and implementing Excel functions.

Skills

- **Programming Languages** –Java, Python, C, Swift, Haskell
- **Tools** - Linux (Ubuntu), Windows, Mac OS, IntelliJ IDEA, Vim, Git, Bootstrap, HTML5, CSS3
- **Languages** - English (fluent), Indonesian (fluent), Chinese (intermediate), Japanese (basic)

Voluntary work

Volunteer – UNICEF UK

January 2017 – October 2017

- Fundraised £500 and ran the Royal Parks Half Marathon to support UNICEF's mission.

Volunteer – Volunteer Cambodia

February 2015

- Taught English, Mathematics and IT at Wat Sway primary school, Siem Reap.