

Jasmine Quah

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| Website: jasminequah.github.io | GitHub: [jasminequah](https://github.com/jasminequah) | LinkedIn: [jasminequah](https://www.linkedin.com/in/jasminequah) |

Technical Skills

Programming Languages:

Java (inc. Android SDK)
C
Go
Haskell
Kotlin

Tools & Technologies:

Linux (Ubuntu)
Windows
macOS
Git
Jenkins
Docker
Unity
Chef
HTML & CSS
Photoshop CC

Able to pick up new languages and tools quickly and effectively.

Awards / Achievements

IET Diamond Jubilee Scholar

(2017)

Scholarship recipient, supported by BT

Year 13 Prize for Mathematics

(2017)

Tiffin Girls' School

Gold CREST Award

(2016)

Achieved for 70+ hours project work in Engineering Education Scheme

Engineering Education Scheme

(2016)

Collaborated on six-month engineering project to research, prototype and evaluate deep sea pipeline designs, producing a report.

KS4 Computer Science Award

(2015)

Tiffin Girls' School

Other Skills & Interests

Languages:

English (Fluent)
Mandarin (GCSE)
French (GCSE)

Hobbies:

Piano (Grade 8) · Art · Badminton

Education

Imperial College London

BEng Computing (September 2017 – 2020)

First Year: First class with 82.9% average

The Tiffin Girls' School

Secondary School (September 2010 – August 2017)

A Level: 4 A*s in Mathematics, Further Mathematics, Physics, Economics

GCSE: 10 A*s and 1 A

Other: Grade 2 in STEP Mathematics

Experience

BT Technology | Internship | Software Developer | Dynamic Networks

2nd July – September 21st 2018

- Worked within RADIUS team responsible for the management of RADIUS servers used in authentication, authorisation and accounting of network users.
- Created test coverage tool for the DSL used to handle requests sent to server, to help create & run test packets during server development (Kotlin). Tested using automated JUnit tests built & run using Apache Ant/Docker on Jenkins server.
- Created an interactive prompt to aid server management (Go), designed to be easily extensible, utilising Jenkins and Chef for CI/CD to servers.

Tiffin Girls' School | Technical Support Officer

Sept 2016 – August 2017

- Responsible for operation and organization of sound/light equipment.
- Liaised with staff requiring technical support during important events.

University of Southampton | Computing & Microelectronics Course

1st August – 5th August 2016

- Designed, built, and programmed an autonomous robot to navigate an arena and pick up boxes using QR codes for navigation.

IBM Hursley (Emerging Technologies) | Work Experience

27th July – 8th August 2015

- Completed an interactive data visualisation project (D3.js) showing staff journeys across the globe and displaying dates/relevant information.

Projects

Pi-ano ARM Group Project |

- Developed an ARM emulator and assembler from scratch using C
- Created an interactive piano for the Raspberry Pi, using attached LEDs, buttons, and a GUI to help beginners learn and practise their skills

Fire (IC Hack 18) | 27th – 28th February 2018

- Voice and touch-controlled Space Invaders-style game, written in Java.
- Implemented voice and touch capabilities, also helped to set up the UI.
- Learnt to request user permissions, process audio using Java libraries, and use Android Studio & Emulator for development and debugging.

Calorie Camera (IC HealthHack 18) | 17th – 18th March 2018

- Detects and displays nutritional content of food using phone camera.
- App written in Java using Microsoft's Cognitive Services Custom Vision API and TensorFlow.

Volunteering & Tutoring

Tiffin Girls' School | Physics & Art Tutor

Sept 2016 – August 2017

St Luke's C of E Primary School | Volunteer Tutor

Jan – Feb 2014

Oxfam | Volunteer

Nov 2013 – April 2014

Volunteered for 6 months, taking on many responsibilities and jobs, learning to multitask and interact with a variety of different customers.