Jasmine Quah

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| Website: jasminequah.github.io | GitHub: jasminequah | LinkedIn: jasminequah |

Technical Skills

Programming Languages:
Java (inc. Android SDK)
C/C++
Go
Node.js/Express.js
Haskell
Kotlin

Tools & Technologies:
Linux (Ubuntu)
Windows
macOS
Git
Jenkins
Docker
MongoDB
Unity
Vim
HTML & CSS
Jade
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 with Apache Ant/Docker on Jenkins server.
- Developed interactive shell to aid server management with TDD methodologies (Go), designed to be easily extensible, using Jenkins/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

Facebook Hack-A-Project | 1st October 2018 – Present
- Working in a pair on the theme of "Bringing Communities Together" to develop a web application for knowledge-sharing to promote cross-discipline transfer of ideas.
- Created user & technology profiles with discussion forums for idea sharing.
- Written using Node.js/Express.js as a web framework, backed by MongoDB and using Jade as a template engine to generate HTML.

Pi-ano ARM Group Project | 25th May – 19th June 2018
- 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.

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
Learnt to multitask and interact with a variety of different customers over 6 months.