Jasmine Quah

jasminequah@outlook.com

| 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
Photoshop CC

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

Awards / Achievements

Faculty of Engineering Dean's List (Computing Year 1)
(2018)

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.

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.