Hashan Punchihewa

CV

Education

2017–2021 **University**, *Imperial College London*, *MEng Computing, First Year*.

2010–2017 **Secondary School**, *Westcliff High School for Boys*, *Year 7-13*.

Exams

I got A* (Further Mathematics), A* (Mathematics), A* (Computer Science), A (Economics) at A Level. I also got 11 A*s and 1 As in GCSEs, as well as an A in FSMQ Additional Mathematics.

Programming Skills

General Programming

- The languages I am most proficient in are Java, Haskell and JavaScript.
- I am with familiar object-oriented and functional programming paradigms.
- I have used common tools such as Bash, Git, etc.
- I am familiar with services such as Heroku, Amazon Web Services and Digital Ocean for deploying applications.
- I am comfortable with using these services to setup remote Linux servers.
- I have also used Docker and Docker Machine to deploy applications with containers.
- I have used tools such as Nginx, MongoDB, Postgres and Redis before.
- I have a passing familiarity with Python and libraries such as Numpy, as well as Swift.
- I have participated in a number of extra-curricular events related to programming and machine learning, such as JPMorgan's Introduction to Data Science and Machine Learning in Python and Google Hash Code.

Web Development

- I am experienced with using HTML/CSS and JavaScript to build client-side applications.
- I have architected websites using the design pattern of 'single-page applications' by using client-side JavaScript to load data via AJAX and render HTML.
- I have used Node.js to build web servers. In this, I have used frameworks such as Express.
- I have worked with different client-side JavaScript libraries including jQuery and React.
- I have used build systems such as Gulp for tasks such as compiling SASS to CSS.

Projects

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AI in Radiology	This is a first-year group project I took part in, where we had to create a website about the practical applications of deep learning in medical imaging.
IC Hack 2018	I participated in Imperial College London's Computing Society's annual hackathon in 2018, and worked with a team of people to make a group music streaming app, that used Spotify's API. I worked on writing an iOS app in Swift.
Pandora	Pandora was a virtual learning environment I developed while at school. Features included the creation of online quizzes by teachers that students could take and would be automatically marked. It also allowed teachers to upload files for students to download. This was written as a single page web application with a Node.js backend.
Cadmus	Cadmus was a Java textbook I co-wrote while at school for my school's computing department.
Algorithms Society	At school I ran a society, to encourage programming. One major activity I did was teaching Haskell. To make this easier I built a simple online IDE for running Haskell programs securely in Docker containers.