

Fawaz Shah

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Joint Maths & Computing (JMC) student

Education

- **Imperial College London**
○ *BEng. Mathematics and Computer Science (Joint Honours)* 2017–2020
On track for First Class Honours (1st year result: 72%)
- **St. Olave's Grammar School**
○ *GCSEs and A Levels* 2010–2017
A Levels: 4 A*s (Maths, Further Maths, Chemistry, Physics) & 1 A (EPQ)
AS Levels: 1 A (Computing)
GCSEs: 10 A*s & 2 As

Technical and Personal Skills

- Written Python code for mathematical personal projects, such as solving sets of simultaneous equations and manipulation of coprime theory and the Mandelbrot set
- Implemented Java solutions in situations such as solving the shortest path problem, scheduling timetables and basic critical path analysis
- Led my team through a group project in building a binary emulator and an assembler in C
- Built and managed a public web server on a Raspberry Pi, using a LAMP stack
- Familiar with Git and programming on Linux systems

Work Experience

- **Netcraft Ltd.**
○ *Software Engineer - Intern* Jul. - Aug. 2018
 - Implemented new features to automatically send data between two of Netcraft's biggest services, C2 and Takedown
 - Wrote production code in Perl and SQL, refactored some of the existing Perl codebase for ease of use
 - Gained experience in full stack development and exposure to the MVC interface pattern
 - Integrated C2 with the older Contracts system, and rewrote Contracts documentation to make it easier to integrate with newer systems
- **SolidariTee National**
○ *Volunteer Web Developer* Apr. 2018 - present
 - Redesigned the website front-end, using HTML5 and CSS3, to make it more mobile-friendly
 - Gained experience with using npm and ZURB Foundation

Positions of Responsibility

- **Imperial College London**
○ *JMC Year 1 Academic Representative* Sep. 2017 - Jul. 2018
 - Liaised with senior members of staff and other representatives to solve problems faced by JMC students
 - Collected feedback from other first year JMC students and passed it on to the coordinators of the degree
 - Reported any academic issues to relevant lecturers or administrative staff
- **St. Olave's Grammar School**
○ *President of Computer Science Society* Jan. - Dec. 2016
 - Gave regular presentations throughout the year and encouraged younger students to give presentations themselves
 - Expanded the size of the society, by opening it up to all years instead of just 6th form and promoting it heavily
 - Organized a talk given by a senior developer at Oracle Corporation, achieving record turnout to the Society

Notable Achievements

- Awarded the St. Olave's Senior Colours tie and the H.G. Abel prize for academic excellence
- Awarded a Merit in Imperial College's Japanese Horizons Level 1 Course
- Represented Imperial College at Just Bollywood 2017