

Fawaz Shah

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Personal Website: fawazshah.github.io

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Education

- **Imperial College London**
BEng. Mathematics and Computer Science (Joint Honours) 2017–2020
On track for First Class Honours (1st year result: 72%)
Modules of interest: Java, C, Logic, Algebra & Analysis
- **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

Work Experience

- **Netcraft Ltd.**
Software Engineer - Intern Jul. - Aug. 2018
 - Wrote feature allowing malicious URLs to be automatically taken down based on certificate authority
 - Implemented core functionality to stop taking down malicious URLs for a company if their Netcraft contract has expired
 - Refactored old Perl and SQL codebases for ease of use
 - Gained experience in full stack development
 - Rewrote documentation for 20+ year old codebases with instructions for integrating with newer systems
- **SolidariTee National**
Volunteer Web Developer Apr. 2018 - present
 - Redesigned the website front-end to make it more mobile-friendly (viewable at solidaritee.org.uk)
 - Currently building a custom online shop, using Google Cloud Platform and Docker

Personal Projects

- Built a web server on a Raspberry Pi using a LAMP stack
- Published a command line interface tool for currency conversion, written in JavaScript
- Wrote Python programs to help with A Level Further Maths concepts, such as finding matrix inverses and solving sets of simultaneous equations

Positions of Responsibility

- **Imperial College Union**
Publicity Officer for DoCSoc (Imperial College Department of Computing Society) Aug. 2018 - present
 - Wrote a guide on how to use Linux and the command line, aimed at 1st years with no programming experience
 - Personally negotiated over £5000 worth of sponsorship with leading companies in the technology sector
 - In charge of social media and designing DoCSoc apparel
- **Imperial College Union**
JMC (Joint Maths and Computing) Departmental Representative Aug. 2018 - present
 - I represent over 120 JMC students, from 1st year to 4th year, at meetings with senior staff
 - I liaise with lecturers and year directors to solve both academic and wellbeing problems faced by JMC students

Notable Achievements

- Awarded the St. Olave's H.G. Abel prize for academic excellence - given to top 14% of the year
- Awarded a Merit in Imperial College's Japanese Horizons Level 1 Course
- Represented Imperial College at Just Bollywood 2017