

Fawaz Shah

✉ fs2217@ic.ac.uk

Personal Website: fawazshah.github.io

GitHub: github.com/fawazshah

Education

- **Imperial College London**
MEng. Mathematics and Computer Science (Joint Honours) 2017–2021
On track for First Class Honours
Modules of interest: Java, Databases, Compilers, Algorithms, Statistical Modelling, Numerical Analysis
- **St. Olave's Grammar School**
GCSEs and A Levels 2010–2017
A Levels: 4 A*s (Maths, Further Maths, Chemistry, Physics)

Experience

- **Bloomberg L.P.**
Software Engineering Intern Jul. - Sep. 2019
 - Worked as part of Strategy Indices, a division who produce custom multi-asset indices implementing various trading strategies for enterprise clients
 - Developed a visualisation tool to display the structure, configuration and historical data of indices created with "Behaviours", a new internal C# framework
 - Created user interfaces using WPF and XAML, with an SQL database behind the scenes
- **Netcraft Ltd.**
Internet Services Developer - Intern Jul. - Aug. 2018
 - Worked on a feature allowing malicious URLs to be automatically taken down based on certificate authority
 - Refactored old Perl and SQL codebases for ease of use
 - Rewrote documentation for 20+ year old codebases with instructions for integrating with newer systems
- **SolidariTee National**
Volunteer Web Developer Apr. 2018 - present
 - Redesigned solidaritee.org.uk with Foundation to make it more mobile-friendly
 - Built a bespoke online shop, using a LAMP stack running Magento and hosted on DigitalOcean
 - Shop is online at shop.solidaritee.org.uk, has helped raise over £2500 for charity

Projects

- **FoodScape**
University WebApps Project Jun. 2019
 - FoodScape is a cross-platform mobile app designed to help students living in halls share food and reduce food waste
 - Developed using a Node.js + Express backend, Sequelize as an ORM, and Flutter for the front-end
 - Achieved 84%, one of the highest grades in the year
- **Studify**
Facebook Hack-A-Project Mar. 2019
 - Created Studify, a multi-user website to help students connect and create revision study groups
 - Node.js backend, with a Firebase data store

Positions of Responsibility

- **DoCSoc (Imperial College Department of Computing Society)**
Marketing & Publicity Officer Aug. 2018 - July 2019
 - Presented an introductory lecture on using Linux and the command line, attracting over 120 students
 - Negotiated over £5000 worth of society sponsorship with leading companies in the technology sector
 - In charge of social media and designing DoCSoc apparel

Notable Achievements

- Awarded Union Colours for outstanding service to Imperial College Union
- Awarded a Merit in Imperial College's Japanese Horizons Level 1 Course