Fawaz Shah

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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: Machine Learning, Computer Vision, Time Series Analysis, Algorithms, Databases, Compilers

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 System Administrator   *Apr. 2018 - present*
- Built and maintained a bespoke online shop using a LAMP stack running Magento, hosted on DigitalOcean
- Shop sales raised almost £10,000 for charity over the course of a year

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

Positions of Responsibility

Undergraduate Teaching Assistant
Modules: Graphs & Algorithms, Logic, Reasoning About Programs   *Oct. 2019 - Mar. 2020*
- Led weekly tutorial sessions for a group of 9 first year Joint Maths & Computing students
- Marked weekly tests and provided guidance and feedback throughout the academic year

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
- 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