

Safia Shire

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Location: West Midlands | [Portfolio](#) | [Github](#) | [LinkedIn](#)

Personal Profile

A detail-orientated Biomedical Engineering graduate working as a contract software developer after transitioning into tech through the Black Codher Web development Bootcamp. Built projects through all stages of the development cycle from wireframing to deployment. Achieved this by balancing competing priorities and being adaptable, having worked part-time alongside the Bootcamp and university studies. Suited to a role where creative and logical solutions can be applied to complex challenges.

Technical Skills

- Languages: HTML5, CSS3 and Javascript.
- Frameworks and tools: React JS, Ionic, Git, Node JS, MongoDB, Figma, Github and Gitlab.

Key Achievements

- Successfully implementing client feedback into Figma front-end prototypes for a new mobile app.
- Certificated for presenting [AI solutions](#) to tackling food waste in supermarkets through KPMG's pushing LimITs programme.
- Developed TechitOn, a React App which allows a user to search for a web development Bootcamp.
- Constructed a visual tool tackling gender bias at companies for the Vodafone Diversity hackathon.

Education

Black Codher Web development Bootcamp

August 2020 - March 2021

- A 30-week long programme focused on gaining technical skills in MERN stack technologies
- Planned and developed 2 web applications using Javascript and React JS framework.
- 1. [TechitOn](#) - Users can search for a coding Bootcamp that sends a query to the back-end with MongoDB. [Presented the process and mission behind my app to a large technical and non-technical audience.](#)
- 2. [Bookish](#) - Users can search for a book using the Google API. Users can also save and remove the chosen book from a bookcase.

Aston University

September 2016- July 2019

BENG Biomedical Engineering (2:2) - accredited by IMechE.

- Collaborated with peers to develop six technical group projects from ideation to software and hardware implementation.
- Projects included a 3D printed prosthetic, an Arduino powered breathalyser and a pulse oximeter. Backed by theoretical knowledge and external research collected from stakeholders.
- Excelled in an optional 40 Credit Arabic language module.

- 11 A*-C GCSE's; including Grade A and B in Maths and English Language respectively.
- 3 A levels in Biology, Chemistry and Maths- **CCC** obtained.

Employment/Work Experience

Software developer, Beautiful Canoe

24th May - Present

- Currently working for a non-profit based in Aston University's Computer Science department.
- Responsible for developing the front-end for a new mobile app for an internal client (A Computer Science professor specialising in forensic speech science).
- Implementing new features, maintaining existing code and building simple pipelines with Javascript and Ionic React.
- Gaining experience with code reviews, pair programming and client engagement.

Warehouse operative, Amazon

14th November – 31st December 2020

- Efficiently picked and located large volumes of customer orders using hand-held technology into carts to meet time constraints.
- Paid close attention to detail to spot damaged packages.
- Oversaw quality control and ensured co-workers staged their carts in the correct locations.
- Assisted new co-workers with how to use the devices and how to complete tasks efficiently.

Data analyst Intern, National Grid Smart

6th August - 17th August 2018

- Learned how to edit and scrutinise many BIA and BCP documents professionally.
- Compartmentalised financial data safely into manageable and well-referenced files.
- Enhanced my creativity by transforming collected data in department meetings into visuals.
- Conveyed initiative to ask for more experience whereby I worked with the finance department where I first explored business systems like IFS.
- Swiftly became efficient in using the IFS system and developed a standardised process on how to merge, delete, and update customer details for future team members.

Tutor, Excel Tuition Centre

January 2017- June 2018

- Showed quick adaptability by working with both GCSE and primary students in core subjects weekly by showing the same level of respect and dedication.
- Instilled a love for learning in the students by improving their engagement and confidence.
- Approached this by consistently encouraging students to overcome their difficulties through reliable listening and positive affirmations.
- Liaised with concerned parents to support struggling students by breaking down action plans with implementable steps to maximise their learning.