

# SABA KHAN

Coventry (willing to relocate)

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<https://sabak03.github.io/my-portfolio/>

## Career Summary

An efficient and technically minded second year Computing student predicted 2:1 degree, with proven ability to work effectively as part of a team on university projects and 5 years extensive programming experience in Python, Swift and HTML. Passionate about programming, after participating in a Young Computer Scientist Internship with InvestIN. Wanting to gain further industry experience, seeking a one-year placement where I can apply my programming skills and also expand on my knowledge.

## Technical and Professional Skills

<b>Programming:</b>	Python, Swift, R/React
<b>Web Design:</b>	HTML, CSS, JavaScript, PHP, MySQL, jQuery, Magento, WordPress
<b>Database:</b>	MySQL, SQLite, Excel
<b>MS Office:</b>	Excel, PowerPoint, Word, Project, Access, Teams
<b>Other:</b>	Linux, GitHub, XCode, XAMPP, Magento, Agile Methodologies

## Education

<b>Coventry University</b>	<b>September 2021 – Present</b>
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BSc Information Technology for Business (predicted 2:1)

**Key modules:** Software Design, Database Systems, Business Programming, Digital Marketing, Business Decision Making, Intro to Operating Systems, Networking and Cyber Security, Web Development, Enterprise Project, Data Science, Software Development, Network Planning and Management

<b>Blue Coat Church of England, Coventry</b>	<b>September 2019 – July 2021</b>
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**A Level:** Maths, Economics, History

<b>Eden Girls' School, Coventry</b>	<b>September 2014 – July 2019</b>
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**GCSE:** 10 A\*- C grades including: A Maths, A Computer Science, B English and B Science

## Key Computing projects

<b>ITB Activity Led Learning Group Project:</b>	<b>2021</b>
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Create a website to sell and compare two phones from different companies and allow the user to buy and check orders by connecting a database.

- **Planning:** Delegated duties, used agile sprint approach to create a Gantt chart to set and track goals and ensure weekly milestones are met.
- **Database:** Created a MySQL database and linked it to the website with PHP, outputted data with jQuery.
- **Web development:** Coded and designed the front end of the website utilising HTML, CSS and JavaScript. Hosted the website using Linux.
- **Testing and documentation:** Tested the backend connection of the website by allowing a user to login, edit and view account information and also check/checkout orders. Wrote a 1500 report showcasing our teamwork and explaining the coding.

<b>Database Design:</b>	<b>2022</b>
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Normalise a table of data then create a database on SQLite and use queries to extract information.

- **Normalisation:** Found primary and foreign keys to normalise the data into 3 forms – 1NF, 2NF and 3NF.
- **ER Diagram:** Used the tables in the 3NF and primary/foreign keys to create an ER diagram and find the relationships between the tables.

- **Database:** Created the database using SQL queries to add and edit the tables as well as extract certain data from the different data sets.

### IOS app using XCode:

2021

- Took an online tutorial to get used to XCode software and created a simple Charades app to play with family and friends which I then downloaded to my iPad.

## Internship

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### InvestlN, Young Computer Scientist Internship

October 2020

- Projects on Cyber Security, Software Engineering and Artificial Intelligence.
- Worked as a team to complete coding tasks on GitHub.
- Scanning complicated pieces of code to detect and correct errors

## Experience

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### Coding teacher, Code Camp World

July 2021

- Taught the basics of algorithms to young kids.
- Basic block and line coding to create simple level games like flappy birds and space invaders.
- Uploaded games from the website to their mobile devices.

### Data analyst/Administrator, MTC Electrical Superstore

July 2020 – 2021

- Created, checked and updated spreadsheets using Excel.
- Uploaded files and entered data onto records management system.
- Updated and maintained the website.
- Built and maintained professional relationships with peers and upper management.

## Interests

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**Tutoring:** Taught Maths, Science and Computer Science to family and friends from SATS to GCSE's.

**Website Building:** Built and maintain websites for my [Local Mosque](#) and [Scouts group](#), through Magento and WordPress giving information and news updates.

**Scouts Volunteer:** Led sessions on algorithms, flowcharts and created digital art using Python turtle. I also help my Scouts group with updating their website and databases. Improving my confidence, time management and organisation, through lesson planning each week.

## References

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Available upon request