Jack Shilton
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About Me

I am a reliable, focused, and confident individual, with experience in successful self-guided study, which includes learning the Japanese language. I enjoy problem solving, which has included the utilisation of Linux, Git, database design, and querying. Having volunteered as a software developer for various companies I have experience in many languages, such as Java, C#, and Python.

Skills

Programming Languages: Java, C#, HTML, SQL, Python, JavaScript

Languages: English, Japanese (N5)

Education

University of Birmingham — BSc Computer Science w/ Year Abroad
Student — *Currently Enrolled*

- Special Events Officer of Computer Science Society (Jun. 2021 – Ongoing)
- Member of Computer Science Society (Sep. 2020 – Ongoing)
- Member of AFNOM (Ethical Hacking Society) (Sep. 2020 – Ongoing)
- Member of Japan Society (Sep. 2020 – Ongoing)

Hereford Sixth Form College — A-Level
A-Levels in Computer Science (A), Maths (A), Physics (B), and Extended Project (A)* — *Graduated July. 2020*

- Extended Project Qualification: Japanese Culture (Jun 2019 – Jul 2020)
- Teaching Aide (A-Level Computer Science) (Dec 2019 – Jul 2020)

Queen Elizabeth Humanities College — 11 GCSE Grades: Ranging from 5-9
Student — *Graduated July. 2018*

- GCSE Mathematics (Grade 9)
- GCSE Physics (Grade 7)
- GCSE Information Technology (A Grade)

Experience

Developer Club Lead — Birmingham, UK
Google — *July 2021 – Present*

Public Speaking: Presenting workshops to students, focusing on topics of Computer Science and the process of developing applications.
Communication: Leading a team of presenters in producing, executing, and evaluating workshops over the course of the University year.
Leadership: Acting as the representative of the Google Developer Student Club at the University of Birmingham, ensuring that the team I lead can work effectively and collaboratively together.

Special Events Officer — Birmingham, UK
Computer Science Society - University of Birmingham — *April 2021 – Present*

Team Management: Leading and organising a team in the process of planning, execution, and debrief of larger events hosted by the society.
Problem Solving: Working with a team to solve issues that arise during the creation and delivery of events held by the society.
Public Figure: Acting as the face of the society as a committee member, ensuring that members feel safe and comfortable in the environment created.

Sales Assistant Hereford, UK
Cex *Nov 2019 – July 2021*

Diagnostic Tester: Testing equipment functionality on a large range of devices, and subsequently repairing, if possible.
Budget Management: Accessing current wage spend, stock levels, and sales in order to make appropriate adjustments to boost sales.
Customer Management: Working as part of a team to develop skills in order to secure sales and improve customer service, on occasion diffusing potentially hostile situations, while also working to maximise customer satisfaction.

Guest Speaker Hereford, UK
Hereford Sixth Form College *June 2021.*

Public Presentation: Recently invited back to Hereford Sixth Form to speak to current students via a presentation, on the subject of the University I am attending, my process of picking a university, and why I chose to study Computer Science.

Teaching Assistant Placement - Computer Science Worcester, UK
Worcester Sixth Form College *July 2017.*

Course Development: Produced a course for students studying at the Sixth Form, focused on 3D Modelling using Blender, an industry standard software.
Teaching: Taught students attending the Sixth Form basics about database management and simple SQL.

Projects

Inky Finance Birmingham
Python, Pandas, Git, IntelliJ *July 2021 - Present*

Description: Inky Finance is a startup company focused on creating a decentralised algorithmic trading platform, which will allow its users to easily create marketing strategies when buying or selling stocks. It uses pandas to import and process big data of current stock values in order to create an effect strategy.

jack-development.github.io Website
HTML, Sass, JavaScript, React, Git, IntelliJ *June 2021 - Present*

Description: A website developed with the goal of creating an online presence for me to supply to clients, colleagues, or potential employers. It also served as an introduction into using React alongside GitHub pages and deploying website builds from React.

Jabber University of Birmingham
Java, SQL, SceneBuilder, Git, JavaFX, IntelliJ *10th – 16th May 2021*

Description: "Jabber" was a mock social network platform where teams were tasked with creating a front and back end service for the social network. We were given a basic database containing information on clients and messages that we would need to query in a secure fashion and present to the end user.

Super Mario Bros. 1985 Hereford Sixth Form College
C#, Windows Forms, Visual Studio, .csv, Excel *June 2019 – July 2020*

Description: A Windows Form project that utilised Visual Studio development, I recreated the 1985 original version of Super Mario Bros. The program used a lookup sheet alongside a .csv file, edited using Excel, in order to create a level design system that allowed a massive diversity in level creation and subsequently custom level design, this was the beginning of a simple database system.
For this project I produced a paper that focused on the planning, development, and testing of the product, all the way through from conception to a theoretical release.
This project is now planned to be used as an exemplar for students at the Sixth Form.
Links: Paper

Gyration Hop Mobile App
C#, Unity, Google Play Console, Xcode, CAD *May 2018 – Oct 2020*

Description: A competitive infinite runner game that I developed for Android devices, focused on building the skills of hand-eye coordination for the users. This was developed in Unity and was eventually pushed to Apple devices as well, by request of beta testers. The game gained attention from the newspaper, the Hereford Times, which wrote an article around it.
Platforms: Google Play, Apple App Store
Link: Google Play Store