

Mackenzie Blackaby

Macclesfield
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United Kingdom

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PROFILE

I am a British undergraduate for Computer Science at Lancaster University, currently entering my third and final year.

My skills involve back-end programming in C, Python, MIPS Assembly and Java, as well as experience with Java and C# application front-end programming. I also am good with languages, attaining a working standard in German and beginning my journey with currently an elementary understanding in Arabic. I enjoy all forms of problem solving and am looking forward to the chance to be a part in global software projects.

I am looking for Internships this summer to gain relevant work experience and expand my network, bringing a fresh perspective on technology to the company and creating new ties for future employment. I will be an extremely useful asset and tool that can be sharpened to your company's liking.

EDUCATION & QUALIFICATIONS

Lancaster University - Bachelor's degree Computer Science: first	2025
King's School Macclesfield - A Level Maths: A*	
Chemistry: A	
Computer Science: A	2022
King's School Macclesfield - Cambridge IGCSE Maths: 9	
English Literature: 9	
English Language: 9	
Chemistry: 9	
Biology: 9	
Physics: 9	
Music: 9	
German: 9	
Geography: 9	
Computer Science: 9	2020

KEY SKILLS

- I can efficiently manage and lead a team, keeping a constant stream of information of project progress flowing. I also choose tasks that best suit member strengths while making sure sub-teams are organised to cover everyone's weaknesses, keeping the project running like a well-oiled machine. When I am not a team leader, I frequently keep the project overseer up to date with my progress, letting them know if I run into issues with a task, otherwise meeting deadlines and never leaving the project manager in the dark.
- I can think deeply about challenges and issues, not taking any given solution for granted and always thinking about creative ways to solve problems in the most efficient manner possible.
- I do not crumble under tight deadlines and pressure, instead using it to fire myself up, encourage my team and improve our efficiency. For me, deadlines are a blessing rather than a curse, as having a strong date to work to allows me to distribute my workload evenly, accounting for any exceptional circumstances that may occur and prepping me for work I must complete each day.

- I am never silent in the face of problems. If I see an issue, I will politely notice it for the betterment of any company I work for and to the mantra of “an issue being pointed out early in development always being better than later.” I respect leadership and the difficulties of managing a project, instead using my vocality to help them effectively lead whatever project on which we are working.
- Programming Languages: C#, C, Java, Python, Erlang, JavaScript, MIPS,
- Other Languages: HTML, CSS, MYSQL
- German (Working Standard/Near Fluency)
- Arabic (Elementary)
- MS Office
- Arduino Programming
- A veteran of 8+ years in Ableton and dozens of complex plugins.

WORK EXPERIENCE

Sports Coach | Sportspoint

May 2020 to Sep 2023

A sports holiday camp for children aged 5-12, based at Astra Zeneca in Macclesfield. Hosts camps every day during holidays for between 20-60 children.

- I had to create, organise, and demonstrate my own games for the children during activity sessions - each of them with simple initial rules whilst being expandable to allow for complex play after the children understand them.
- I also had to manage the children alone, ensuring that they would stay behaved and quiet during break time - due to us being in the principal areas of the AZ complex - as well as making sure they always remained safe and enjoyed their experience during play.
- Pioneered games that are now a permanent mainstay of the Sportspoint repertoire such as “Capture the flag” and “Clear the shed.”

ADDITIONAL INFORMATION

I own a small eBay-based Eurorack business, in which I solder together and sell Eurorack modules - small synthesiser components which, when put together, can create fully working professional synthesisers. I usually create these modules as a side job to whatever I do for work during the holidays, giving me extra money for sustaining myself at university. These modules range anywhere from £50 to £300 in how much they cost the consumer to purchase each, and I make between 5 to 15 of them each holiday. What started as me creating a personalised gift myself for my brother's birthday has now become a reliable source of income and enjoyment for me, giving me talents and skills that I can transfer into my working life.

I also have an CV website, under the domain www.blackaby.uk, in which you can observe my programming skills and have a more interactive and personable experience than this document.

Training – Completed Udemy Course on 2D & 3D Game Development in Unity [2024], I attended a 10-day InvestIN Internship with UCL university about advanced technology like AI with companies such as Tesla [2021]

Languages – English; German; Arabic

INTERESTS

Video games, usually single player story-telling games

Books

Learning languages

Travelling

Film critique.

Cooking & Baking

Pets - Mostly caring for my Gecko.

Making electronic music in Ableton

Plants & gardening

Creating my own games in Unity

REFERENCES

Stephen Cannon | MBE MSc CEng Lt Col | Head of Engineering | stevecanon3183@gmail.com

Wayne Jones | CEO & Owner of Sportspoint | coaching@sportspoint.co.uk

Phillip McKenzie | MSc | Head of Computer Science | phillip.mckenzie@kingsmac.co.uk