

Mackenzie Blackaby

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PROFILE

My name is Mackenzie, a British undergraduate for Computing at Lancaster University.

My skills involve back-end programming in C#, Python MIPS Assembly and Java, as well as being experienced with Java and .NET front-end application programming. I also am experienced with languages, attaining a working standard in German and beginning my journey in Arabic, and enjoy all forms of problem solving and the chance to be a part in computer 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 - a useful asset and tool that can be sharpened to your company's liking.

EDUCATION & QUALIFICATIONS

Lancaster University - Bachelor's degree Computer Science: 1st 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

- Able to both manage a team well and keep a constant stream of information about people's progress flowing and, when i am not a team leader, keep the project overseer up to date at all times with my progress
- I am able to efficiently lead a team, choosing tasks that best suit each members strengths, organising sub-teams to cover each members weaknesses and keep a constant communication flow to allow the group to work like a well-oiled machine
- I am able to 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.
- If i see an issue i will, politely of course, stand up and mention it for the betterment of any company i work for. This is not for any personal gain or feeling of defying orders, but to the mantra of an issue being pointed out early in development always being better than later on.
- Programming Languages: C#, C, Java, Python, Erlang, JavaScript
- Other Languages: HTML, CSS, MYSQL
- German (Working Standard/Near Fluency)
- Arabic (Elementary)
- MS Office
- MS Office
- Ethical hacking software (Metasploit, Armitage, Aircrack Bettercap)
- Arduino Programming
- A seasoned veteran of 8+ years in Ableton and various plugins (NI, Serum, Kontakt etc)

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 rules whilst being expandable in order to allow for complex play after the children understand basic rules.
- I also had to manage the children on my own, making sure that they would stay behaved and quiet during break time - due to us being located in the main areas of the AZ complex - as well as making sure they remained safe at all times and enjoyed their experience.
- Pioneered many 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, Macclesfield Modular, in which I solder together and sell eurorack modules - small components which, when put together, can create fully working professional synthesisers. I usually create these modules in my holiday which gives me extra money for funding myself at university, and as a side job to whatever I do for work during the holidays. 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 great source of income and enjoyment for me, giving me many talents and skills that I can transfer into my working life.

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

Languages – Arabic; English; German

INTERESTS

Video gaming, usually single player story-telling games

Books

Learning languages

Cooking & Baking

Pets - Mostly caring for my Gecko

Making electronic music in Ableton

Creating my own games in Unity

REFERENCES

Paul Blackaby | CEO Sambro International Ltd