Sonny Bell

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Second-year Computer Science student at York St John University with strong programming, software testing, and IoT experience. Passionate about **software engineering, embedded systems, and automation**, with hands-on experience in **C#, Python, and Java**. Seeking a **placement** to apply technical skills.

Education:

BSc Computer Science with placement | York St John University | 2023 – 2027

Average grade for first year high 1st

Key Modules: Maths and Problem Solving, **Programming 01** (Python) **Programming for the Web** (HTML, CSS, JavaScript, PHP, GitHub), **Operating Systems** (Linux, Shell Scripting), **Software Engineering** (SQL, UML and DML). **Programming 03** (C#, .Net)

Level 3 extended BTEC | Calderdale College | 2021 – 2023

Business and Marketing DDM

Level 2 Qualifications | Calderdale College | 2019 – 2021

English language, mathematics, Level 2 BTEC Hospitality and Catering

Technical Skills and Experience

- **Programming Languages:** Python, C#, Java, HTML, CSS, JavaScript, PHP, SQL.
- **Tools & Frameworks:** .NET, Linux (Ubuntu, Kali), Bash, GitHub, Bootstrap, React.
- **Software Development:** Embedded systems, software testing, debugging, Agile Development.
- **IoT & AI Automation:** Hands-on experience with Bluetooth hardware, Open-AI API (AI-driven automation).

Relevant Experience:

AI Support & Delivery Intern | Immersive Networks, Leeds | 2023 (3 months, paid)

- Developed a **grant-funded IoT-based heritage audio tour** for Kirkstall Abbey using **Bluetooth Low Energy (BLE)** to track user locations without GPS.
- Created software for the **Echo** mobile app, integrating **AI automation tools** (OpenAI).
- **Software testing & debugging** of IoT systems for real-time interaction.
- Liaised with stakeholders, explaining technical solutions in simple terms.

University & Personal Projects:

Coffee Shop Management System (GitHub Project)

- Developed a **full-stack web application** using PHP, Bootstrap, and SQL for managing orders and payments.
- Integrated **secure database handling**, improving real-time order processing.

Employee Registration System (University Project)

- Developed testing solutions for the system using the Xunit framework.
- Collaborated as a team to develop the full-stack C# .NET Registration system.

Digital CV and portfolio (Personal Netlify project)

- Developed a professional personal portfolio project using Bootstrap and JavaScript hosted on Netlify.

Other Experience:

Student Ambassador | York St John University | 2024 – Present
- Developed public speaking skills to present to large groups of prospective students.
- Helped manage events on campus involving up to 300 people.

Barista | Mannetti's, York | 2024 - Present
- Managed cash transactions and handled high-pressure situations efficiently to ensure smooth operations.
- Processed payments accurately using an EPOS system and balanced the till at the end of shifts to maintain financial integrity

Chef | Yakumama, Todmorden| 2020 – 2023
- Worked under pressure in a fast-paced environment, improving teamwork skills.

Hobbies and Interests

PC Building – Experience assembling and troubleshooting custom-built computers.

University Boat Club – Novice Vice Captain – Leadership, coaching, and mentoring experience.

References available upon request

https://sonnybell.netlify.app/

https://github.com/Dualboi