

Ifan Edwards

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BSc Games and Multimedia Environments graduate recently returned from a period of travel across The Americas, eager to apply strong programming and problem solving skills to entry-level tech roles. A quick learner and effective team player, who is keen to leverage technical knowledge and problem-solving capabilities to the development of innovative software solutions.

Transferable Skills

- Solid foundation in mathematical and logical reasoning, as evidenced by academic achievements (A Levels in Mathematics and Further Mathematics). Ability to apply analytical thinking to solve complex problems in software development and data analysis.
- Demonstrated ability to quickly learn and adapt to new technologies and programming languages. Eager to expand technical knowledge and contribute effectively in a dynamic software development environment.
- Proven ability to collaborate effectively within team environments, contributing to shared goals and fostering positive working relationships. Experience participating in team-based projects during academic studies and personal development projects.
- Excellent verbal and written communication skills, enabling clear articulation of technical concepts to both technical and non-technical audiences. Demonstrated ability to effectively convey ideas and information, crucial for team collaboration and project success.
- Strong analytical and problem-solving skills, demonstrated through the development and debugging of software projects. Ability to break down complex issues into manageable components and implement effective solutions.
- I hold a full UK driving license and have my own vehicle.
- I am fluent in English and Welsh.

Technical Skills

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| Programming Languages: | Java, C#, Python, C, JavaScript, SQL |
| Frameworks/Libraries: | .NET Framework, JavaFX, Apache POI, PyGame, Spring Boot |
| Development Tools: | Visual Studio Code, Eclipse, Maven, Git/GitHub, Unreal Engine, Unity |
| Databases: | MySQL, PostgreSQL, JSON |
| Web Technologies: | HTML, CSS, PHP, React |
| Other Software: | Blender, MS Office, Adobe Creative Cloud |

Education

University of Sussex: BSc in Games and Multimedia Environments (2:1, June 2023):

- Developed a web page with HTML, CSS, PHP and JSON database that implements an embedded 3D viewer to display 3D models made in Blender. The user can perform actions to change the appearance of the models and trigger animations.
<https://github.com/ifaneds/web-3d-coca-cola>
- Created a short game with C# in Unity that focuses on interactivity and immersion. Players can use buttons in the environment to manipulate the environment and customise it to their desire.
<https://github.com/ifaneds/save-the-party>
- Developed a "Monopoly" style video game using Python with the PyGame library. Allows the players to customise rules to play how they want. Parses game data from excel files.
<https://github.com/ifaneds/property-tycoon>

Cardiff and Vale College: A Levels (July 2020):

- Photography: A
- Physics: B
- Mathematics: B
- Further Mathematics: C

Personal Projects

- Developed a robust melee combat system for a 3rd person RPG in Unity using C#. Implemented combo mechanics with light and heavy attacks, utilizing Unity's Animator state machine for seamless animation transitions based on dynamic game conditions. Demonstrated proficiency in object-oriented programming, game logic implementation, and animation control. [GitHub Link: <https://github.com/ifaneds/combat-system>]
- Developing a comprehensive desktop application in Java using JavaFX, Apache POI, and PDFBox to streamline script supervisor workflows in film and television production. The application integrates editors for PDF, XLSX, and DOCX files, eliminating the need for multiple software tools. Features include direct camera footage recording and playback, demonstrating proficiency in GUI development, file manipulation, and multimedia integration. [GitHub Link: <https://github.com/ifaneds/jane-script>]

Employment History

Delivery Driver: Sainsbury's (Brighton, Sussex): March 2024 to July 2024

- Demonstrated problem solving and time management skills by successfully navigating complex routes and optimising delivery schedules, prioritising efficiency and minimizing delays.
- Proficiently managed and delivered high-quality orders, ensuring accuracy and exceeding customer expectations.
- Communicated effectively with customers and dispatch, resolving issues promptly and maintaining a high level of customer satisfaction.

Host: INSET Online (Brighton, Sussex): October 2022 to April 2024

- Facilitated and managed engaging online learning experiences for teachers, ensuring smooth and efficient delivery of training materials.
- Proactively identified and resolved technical issues related to online platforms and presentation tools, maintaining a seamless learning environment.
- Effectively communicated and collaborated with trainers and participants to ensure the successful implementation and completion of online training programs.

Camera Operator: Your Instant Replay (Brighton, Sussex): September 2022 to February 2023

- Captured high-quality footage with precision and accuracy, ensuring optimal image composition and framing.
- Successfully operated and maintained complex camera equipment under fast-paced and dynamic conditions, demonstrating technical proficiency and adaptability.
- Collaborated effectively with a team to achieve shared goals, ensuring smooth and efficient production of high-quality sports broadcasts.

Personal Interests

I thoroughly enjoy traveling and immersing myself in new cultures and landscapes. During my time in North and South America, I learned Spanish to a conversational level to enhance my ability to communicate and fully experience the diverse environments, proving that I am a fast learner and am willing to adapt to new situations. I am a keen photographer; I always try to carry a camera with me if I am on an adventure into nature. I love trying to see things from a new perspective and capture the world how I see it, honing my attention to detail and observational skills. I also developed a passion for birdwatching during my travels, which requires patience and a sharp eye. Skills that I find are also useful when debugging code. I am an avid football fan; I follow my team during the good and bad times. I enjoy being part of a community of fans who share common goals and aspirations. Additionally, I've recently started swimming for fitness, enjoying the tangible progression as I build strength and improve my times. These experiences have instilled in me a mindset that values continuous learning and problem solving and consistent growth.

References

References are available on request