Ifan Edwards

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BSc Games and Multimedia Environments (Computer Science) 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. Currently enrolled in an Unreal Engine Game Developer Bootcamp, learning UE5.

Technical Skills

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):
Modules include: Programming Concepts, Data Structures and Algorithms, Computer Systems, Databases, Program Analysis, Software Engineering, Human-computer Interaction, Programming for 3D

- 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

Skills City Unreal Engine Game Developer Bootcamp (May 2025 - July 2025)
- Blueprints
- C++
- AI
- Visual Effects and Audio

Personal Projects

- A custom c++ scene component made for Unreal Engine. It allows for the creation of procedural ropes with customizable parameters.The component is designed to be efficient and flexible, making it suitable for various game development scenarios.
https://github.com/ifaneds/ProceduralRopePlugin

- Developed a full-stack job search application with user authentication, job listings, and calendar management. React, Java Spring Boot, PostgreSQL.
https://github.com/ifaneds/side-hustle

Transferrable Skills

- Mathematical and logical reasoning (A Levels Mathematics & Further Mathematics). Analytical problem-solving for software and data.
- Quickly learns and adapts to new tech/languages. Eager to grow in software development.
- Effective team player, contributing to shared goals (academic & personal projects).
- Clear verbal and written communication of technical concepts to all.
- Strong analytical and problem-solving skills in software development and debugging.
- I hold a full UK driving license and have my own vehicle.
- I am fluent in English and Welsh.

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 the Adobe Connect platform, 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 of sports games, 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. 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 progression as I build strength and improve my times. These experiences have instilled in me a mindset that values continuous learning, problem solving and consistent growth.

References

References are available on request