

Niamh Brady

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Personal Statement

I am a final-year Games Programming student at Edge Hill University, specialising in C++ for game development, with additional competency in C# and Python. My experience includes creating game systems, interfaces, and multi-level environments in Unreal Engine and Unity. Alongside my studies, I have consistently worked in customer-facing roles, developing teamwork, problem-solving, and time management skills that I bring into my programming. I enjoy tackling complex coding challenges and am motivated to begin a graduate role in games development where I can continue to grow as a programmer and contribute creatively to innovative projects.

Technical Skills

- **Programming Languages:** C++ (specialism), C#, Python, JavaScript, SQL
- **Game Engines & Tools:** Unreal Engine, Unity, Visual Studio, Git
- **Web Development:** HTML, CSS
- **Other:** Database systems, debugging, version control

Key Attributes

- Strong problem-solving skills and logical approach to coding challenges
 - Effective teamwork and communication, developed through group projects and customer-facing roles
 - Organised and reliable, with proven ability to manage deadlines alongside part-time work
 - Creative and innovative, applying technical skills to build engaging game features
 - Quick to learn new technologies and motivated to continually refine programming expertise
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Projects

- **Unreal Engine (C++ & Blueprints):** Created a multi-level game with custom graphics and settings. Added character animations and behaviour (using Blueprints to follow the player) and integrated sound effects for interactive buttons, enhancing gameplay complexity and immersion.
- **Unreal Engine (C++ & Blueprints):** Designed and implemented a fully functional main menu GUI with custom settings, new game options, and level navigation.
- **Unity (C#):** Coded a complete main menu and interface system, enabling players to navigate game options and settings. While the shop and inventory were not implemented due to time constraints, I prepared the groundwork for future integration.
- **Python (Blackjack Game):** Programmed a playable card game, focusing on game logic, debugging, and error handling to ensure consistent outcomes.

Work Experience

Barista | Homebird Interiors Coffee Shop | June 2025 – Present

- Provide friendly customer service in a fast-paced environment, building communication and teamwork skills.
- Manage till operations, food service, and coffee preparation, ensuring accuracy and efficiency.

Barista | Starbucks, Blackpool | Oct 2023 – Feb 2025

- Delivered consistent service in a high-volume environment, supporting team efficiency under pressure.
- Developed problem-solving and adaptability through handling customer queries and process challenges.

Bartender | Lytham Tennis & Cricket Club | Sept 2022 – Sept 2023

- Served customers at events and functions, ensuring a welcoming atmosphere and smooth service.
 - Gained responsibility for cash handling and compliance with health and safety procedures.
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Education

Edge Hill University | BSc (Hons) Games Programming | 2023 – 2026

- Currently in final year, on track for a 2:1 or above
- Selected modules: Games Engines, Games Programming, Computer Graphics, Digital Design and Production, Interface Programming, Emerging Games Technologies
- Practical experience with Unreal Engine, Unity, and core programming languages (C++, C#, Python) through assessed coursework and independent projects

Cardinal Newman College | BTEC Extended Diploma in Information Technology | 2021 – 2023

- Achieved Triple Distinction (DDD)
- Covered programming, databases, and software development principles

Lytham St Annes High School | GCSEs | 2021

- English Language (7), English Literature (6), Mathematics (5), Physics (4), Chemistry (5), Biology (4), History (5), French (5), Drama (7)
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Closing Statement

I am seeking the opportunity to join a graduate scheme in games programming where I can contribute to a collaborative development team. My long-term ambition is to work on AAA titles, and I am eager to learn from experienced programmers to refine my skills and grow into a strong contributor within the industry.