Ryan Westwood

WEST-MIDLANDS

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INTRODUCTION

Studying Computer Games Technology at Birmingham City University with a predicted grade of a First Class Honours. Strengths are being able to work independently while maintaining a high level of focus with strong C++ programming skills. Currently looking for a 1-year placement to kickstart my career as a software engineer.

IT SKILLS

Programs –

- **Visual Studio 2019**   Writing, editing and debugging code.
- **GitHub**   Version control of projects.
- **Unity**   Developing 2D and 3D games.

Languages –

- **C++**   Created a 2D game. Currently in the process of creating a game engine and graphics renderer.
- **C#**   Developed 2D and 3D games.
- **Python**   Made an A&E patient simulation.

RELEVANT IT EXPERIENCE

Ongoing
Computer Support
- Meeting with clients to discuss requirements and purpose.
- Building computers from scratch according to the budget.
- Ensuring correct set up of devices following customers' requirements.
- Maintaining systems to ensure performance and security.
- Diagnosing system issues then repairing them accordingly.

EDUCATION

September 2019 – Present
Birmingham City University – BSc (Hons) Computer Games Technology
Predicted Grade – First Class Honours

- **2D Game Programming (93%) –** Side scrolling 2D pirate game in which you avoid obstacles and shoots enemies. Used C# and Unity.
- **3D Game Programming (95%) –** 3D pirate ship game simulating a battle with AI enemy ships and different weather conditions. Used C# and Unity.
- **Data Structures and Algorithms (86%) –** A&E simulation by creating data structures which use efficient sorting algorithms. Used Python.
- **Professional Practice for Game Development (78%) –** Improve and develop games in groups of 4 students, to enhance teamwork skills.
- **C++ Programming for Games (92%) –** Wrath of the dead, a 2D shooting game using A* Pathfinding, Object Pooling, Variadic Templating, Lambdas, Object Oriented Design incorporating SDL libraries.
- **Web Game Development (76%) –** Created a website which hosted a reaction / endurance game. User created accounts, held in a database, to access the game. HTML, CSS, JS and Three.js were used in the development.

September 2017 – 2019
Dudley College – BTEC IT Practitioner
Grade – Distinction Merit Merit

- **Object Oriented Programming (Distinction)–** Developed a 2D space game which had movement, shooting and collision detection. Used Greenfoot and Java.
- **Procedural Programming (Distinction) –** Created a calculator application with mirrored the functionality of a normal calculator. Used C#.
- **Event Driven Programming (Distinction) –** Pete's Plumbing is an invoice system that produced and itemized receipt for a customer for work done. Used VB.

September 2010 - 2015
Holly Hall Academy
Grade – 5 GCSE's grade C and above include Maths(A) and English (C)

WORK EXPERIENCE

May 2018
MiTek Industries – Data Entry Clark

- Liaised with various departments and collated data to update the database.
- Entering data into database software and checking to ensure the accuracy of the data that has been inputted.
- Ensure confidentiality of information by keeping confidential data private and secure

REFERENCE AVAILABLE UPON REQUEST