

Justin Tawan Ward

Student Games Programmer

Contact

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LinkedIn

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Portfolio Website

justinward.uk

Skills

- C#
- Unity
- C++
- Unreal Engine 5
- JavaScript
- Git
- OOP
- Game Development
- JetBrains Rider
- Visual Studio

Education

University of Greenwich
BSc Games Design and Development
First Year Average: 85%
September 2022 - Current

John Taylor High School
A Levels in:

- Computer Science - A
- Maths - A
- Physics - B

September 2020 - July 2022

I'm a Games Development Undergraduate at the University of Greenwich, specialising in programming and working at the level of a First / 1:1. As a hard working team player, I'm always giving my all and looking for the best outcome to any situation. I'm skilled in C# and Unity, with good knowledge of JavaScript and Git, and developing my skills in Unreal Engine 5, Blueprints, and C++ while studying Games Design and Development. I'm also a founding committee member of the new UOG Games Development Society.

Projects

- **So You're Tellin' Me?** | Unity, C#, Arduino, C++, Git | Grade: First
November 2023 - January 2024 | Group Project
 - 3D cooking game with unique installation
 - A custom controller shaped like a pan uses an Arduino to send data to Unity
 - Arduino input components like a gyroscope, potentiometer and joystick, and outputs like LEDs and a motor.**Lead Programmer**
 - I programmed the game in Unity and coded the ability for information to be passed between the Arduino and Unity.
 - I created the main mechanics and gameplay loop, including the player's input affecting the wok in game and the progression system.
 - Showed my teamworking and communication skills while the 3 of us were away over Christmas
- **Dauntless Depths** | Unity, C#, OOP | Grade: First
January 2023 - April 2023 | Solo Project
 - 2D top-down shooter specialising in OOP
 - Keyboard and mouse or controller support using Unity's New Input System**Game Developer**
 - I time managed well while creating this game, prototyping and developing throughout the full 12 weeks of this project
 - I developed the whole game, including visual and audio assets
 - Uses Object Oriented techniques like Polymorphism and Encapsulation to keep code secure, modular and structured
- **Kero Master: Kaeru** | Unity, C#, Git | Grade: First
January 2023 - April 2023 | Group Project
 - 3D platformer collectathon
 - Uses perspective switching between 3rd and 1st person
 - Player can use 1st person to catch flies and grapple with their tongue, and 3rd person to utilise the full movement for platforming**Lead Programmer**
 - As the lead programmer in this group project, I took the role of team leader and worked on the main mechanics of the game and directing where the game went in development
 - I coded the player's movement and camera perspective switching, tongue grapple and fly catching, health system, progress bar with area unlocking, UI, and the rain and fly cage powerups
- **Chaiya Charge** | Unity, C#, SQL | Grade: A*
September 2021 - March 2022 | Solo Project
 - 2D infinite runner platformer
 - Players can save their score under a username and view it in a highscore table against other player's**Game Developer**
 - Database uses SQL queries to insert player's username and score into a table, and return the top 5 from the table into a scene in Unity
 - Random chunk spawning makes the game different each run

Work Experience

○ Cafe Assistant at The Galley Cafe - 7 Months

Greenwich, London

- Serving hot food to students and other customers throughout lunch
- Working on the tills during rush hours between student's lectures lead to learning good time management and how to handle stress and keep up with the speed of the environment
- Cleaning tables and surfaces to ensure a safe environment for both staff and customers
- Working as a Barista in the Starbucks section of the cafe, serving customers different types of coffee while ensuring the correct allergy and intolerance rules were followed

○ Kitchen Porter at The Meynell Ingram Arms - 14 Months

Hoar Cross, Staffordshire

- Washing plates and cutlery, as well as kitchen equipment like pots, pans, and trays
- Ensuring cleanliness throughout the kitchen during the shift and cleaning the floor and surfaces at the end of a close
- Assisting chefs, cooks, and more staff with other duties, occasionally making pizzas
- Ensuring food safety and working hard to keep the kitchen clean until the end of the shifts

○ Race Marshal at Midland Karting - 18 Months

Fradley, Staffordshire

- Teaching customers the safety measures, suiting them up and getting them into their karts
- Understanding how to safely operate, fuel, and fix the karts
- Being stationed around the track, keeping watch for any dangers on the course, watching for, and sorting out, any collisions
- Working well with children's parties, stag and hen dos, and other events to ensure group races ran smoothly
- Working resiliently through long, solo marshalling shifts so customers could have a great time

Achievements

Digital Shark Expo - May 2023

I was nominated and presented "Dauntless Depths" at the university's End of Year Show, showing my skills of confidence and communication when speaking to industry professionals about my game, and potential new students about the course.

UOG Games Dev Society

I am a founding member of the new Games Dev Society at the University of Greenwich. My main role is Instagram Manager, but I also show my leadership and management through my involvement in the planning and running of events, as well as advertising and getting new people interested.

DofE Gold - May 2023

I received my Duke of Edinburgh Gold Award in Buckingham Palace Gardens and spoke with the Duke of Edinburgh, Prince Edward. I completed a week residential at Scorpion Airsoft where I learnt good teamwork skills with a new group of people. I also completed a 6-day expedition in Mid Wales, walking over 100km and climbing to the peak of Pumlumon Fawr - with a 752m elevation. I used my skills to communicate, boost group morale and keep high motivation throughout.

Hobbies and Interests

- Playing guitar and singing
- Playing badminton in the UOG Badminton Club
- Going to rock and indie gigs with friends
- Reading manga and watching anime
- Drawing anime characters and drawing my girlfriend and I into manga panels
- Travelling and playing Pokemon Go
- Playing rhythm and music games like Osu, Guitar Hero, Dance Dance Revolution
- Playing games with friends like Lethal Company, Helldivers 2, The Finals
- Playing DnD with friends