Lucas Wan

Studying: BSc (Hons) Computer Science with Games Programming

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Portfolio: https://github.com/Wantonsoup

Personal profile

A dedicated Computer Science student specialising in Game Programming with a strong foundation in C++, Java, and Unreal Engine. Demonstrated strong problem-solving skills and the ability to deliver innovative solutions both independently and as part of a team. Eager to further develop professional and technical expertise through a year-long placement opportunity

Education

BSc (Hons) Computer Science with Games Programming | University of Huddersfield (2024 - Present)

Year 1 Modules:

- Computer Organisation and Architecture   94% / A
- Computer Network Fundamentals   83% / A
- Computing Science and Mathematics   81% / A
- Object-Oriented Programming   79% / A
- Procedural Programming   78% / A
- Project 1   72% / A

Year 2 Modules: (Results pending)

- Game Engine Architecture
- Introduction to Artificial Intelligence
- Algorithms and Data Structures

A level and BTECs| New College Pontefract   *(2022 - 2024)*

Math (B)   Game design (D*)   Sound Engineering (D*)

BTEC Extended Diploma | Wakefield College   *(2021 - 2022)*

Level 3 BTEC Music Technology – Grade: Merit

GCSEs | St Wilfrid's Catholic High School   *(2016 - 2021)*

9 GCSEs, including Maths (7), English (5)

Technical Skills

- C++ / C#
- Unreal Engine
- Unity
- Y86 Assembly
- Logic

- Java
- GIT, Github
- Python
- Debugging / Troubleshooting
- DAWs
- Microsoft Office (e.g Excel, Word)

Work Experience

Crew Member | McDonald's, Huddersfield   (2022- Present)

- Delivered excellent customer service in a fast-paced, high-pressure environment
- Operated tills and handled cash transactions accurately and responsibly.
- Prepared food and beverages in accordance with hygiene and safety standards.
- Took initiative in coordinating team tasks during busy periods to maintain efficiency and service quality.
- Supported and guided new team members, demonstrating leadership and effective communication skills.

Team Member | KFC, Wakefield   (2021- 2022)

- Provided high-quality customer service in a fast-paced environment, ensuring orders were accurate and delivered efficiently.
- Maintained cleanliness and compliance with food safety and hygiene standards.
- Collaborated effectively with team members to meet performance targets and maintain smooth service flow.
- Demonstrated adaptability by handling multiple roles, including front counter, kitchen, and drive-thru operations.

Staff Member | Lotus Chinese takeaway, Wakefield   (2020 -2021)

- Managed customer orders both in-person and over the phone, ensuring accuracy and timely service.
- Handled payments and maintained a clean, organised front-of-house area.
- Assisted in food packaging and coordinated with kitchen staff to streamline order flow.
- Demonstrated effective communication and multitasking skills in a busy environment.

University Projects

Pong game clone SFML 3.0   (Aug 2025 – Oct 2025)
- Developed a functional PONG game using C++ and SFML 3.0 library
- Implemented collision detection, scoring and paddle/ball physics
- Applied object-oriented programming principles to create clean, modular and maintainable code
- Integrated game loop logic, event handling and real-time rendering
- Gained experience in debugging, testing and performance optimisation

Interests & Hobbies

Piano – I am a self-taught piano player, which has strengthened my patience, discipline, and creativity. Learning independently has helped me develop strong problem-solving and self-motivation skills, as well as a lasting passion for music and sound design.

Video Games – My passion for video games extends beyond playing; I enjoy analysing game mechanics, graphics, textures, animations, and storytelling. This interest has inspired my pursuit of Game Programming, as I am fascinated by how technical and creative elements combine to create engaging player experiences.