

Thomas Jackson

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Portfolio: <https://tomizzed2001.github.io>

Graphics & Games Programmer

A confident and dedicated individual with a wide range of communication, technical, and critical thinking skills. Excels in teamwork both as a leader and team member to provide valuable contributions to the task at hand. A logical minded, creative programmer who puts to use a combination of learnt knowledge and experience to efficiently produce quality work.

Technical Skills

| Programming Languages | Development Tools | APIs / Systems | Experienced In |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">▪ C/C++▪ C#▪ GLSL▪ Python▪ Java | <ul style="list-style-type: none">▪ Unreal 5 / 4▪ Unity▪ RenderDoc▪ Git▪ Visual Studio | <ul style="list-style-type: none">▪ Vulkan▪ OpenGL▪ Windows▪ Linux▪ OpenMP / Cuda | <ul style="list-style-type: none">▪ Physics▪ Rendering▪ Mesh Optimisation▪ Engine Development▪ Animation |

With specialisation in: Computational Geometry and Isosurfacing techniques.

Employment History

CLO Coffee – Roastery & Café Leeds / York, UK
Café Operator Jun 2019 – May 2023
Organised a small group to efficiently operate the café during busy periods and ensure customer satisfaction.

Nandos Leeds, UK
Front of House Staff Jul 2023 – Mar 2024
Worked within a team to provide an enjoyable experience for all patrons and uphold customer expectations.

Soft Skills

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| <ul style="list-style-type: none">▪ Communication▪ Problem Solving | <ul style="list-style-type: none">▪ Teamwork▪ Leadership | <ul style="list-style-type: none">▪ Time Management▪ Adaptability | <ul style="list-style-type: none">▪ Organisational Skills▪ Presentation Skills |
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Education

University of Leeds Leeds, UK
MSc in High Performance Graphics & Games Engineering Sep 2023 – Sep 2024
Distinction

Relevant Modules: Animation and Simulation, Geometric Processing, Rendering and High-Performance Graphics
Dissertation: Marching Cubes for Low-Poly Mesh Generation
Awards: High-performance graphics and games Engineering prize, for the highest grade percentage on the course.

University of York York, UK
BEng in Computer Science Sep 2020 – Jun 2023
First Class Honours

Relevant Modules: Object-Oriented Programming, Software Engineering, High Performance Computing, Data Science, Machine Learning and Embedded Systems.
Dissertation: Washed Up: A 2D Survival and Tower Defence Game in Unity

Garforth Academy Leeds, UK
A-Level Mathematics – Grade A Sep 2018 – Jun 2020
A-Level Physics – Grade A
A-Level Computer Science – Grade A

Hobbies & Interests

During my free time I enjoy creating my own games and developing tools to help with my own projects. I also participate in Esports events, having represented York University both as a player and an organiser. I'm also passionate about exploring the British countryside and often go walking and cycling on scenic routes.