OMAR TAKLEH

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Education

University of Derby
Expected Graduating Date: 2027

BSc Computer Science — *Average Grade: **91.5/100 (First Class Honours)***

- **Related Modules (Grade):** Python Programming (97), Data Structures, Algorithms and Complexity Analysis (92), C++ OOP Game Engine Development (86), Computational Mathematics (96), Relational Database Design, Software Engineering, Haskell Functional Programming, Python Network Programming
- Achieved an impressive average of **91.5%** in my first-year modules, significantly exceeding the 70% threshold required for a First Class degree

Landau Forte College
2021-2023

A-levels: Mathematics, Further Mathematics, and Computer Science — *Grade: **ABB***

- **Volunteering:** Accomplished significant improvements in confidence, leadership, and communication skills as measured by positive feedback from students by mentoring a Year 8 pupil, sharing enthusiasm for the subject, and adapting teaching methods to meet individual needs
- Student of the Year Award

Littleover Community School
2019-2021

GCSEs — ***A*A*A*A*CCCC***

- Subjects (**Grade**): Mathematics (**A***), Combined Science (**2A***), Arabic (**A***), Design and Technology, English Language and Literature, Geography.

Skills

Programming: Python, C++, Haskell, SQL, VBA, HTML, CSS

Tools: GitHub, Agile, Jira, Visual Studio, Unreal Engine, Microsoft SQL Server, Microsoft 365, MS Access, Packet Tracer

Key Strengths: Self Motivated, Academic Excellence, Curious, Great Communication, Teamwork, Time Management, Ability to Accept Feedback, Adaptability, Open Minded, Problem Solving, Strong Willingness to Learn, Critical Thinking

Projects

Modern Video Game
▶ **YouTube**

Sole Designer

- Developed a fully functional and engaging game featuring a jetpack-moving character who shoots bullets and special rockets, and must avoid and kill enemy planes, using Unreal Engine 5 (UE5) and C++
- Utilised Object-Oriented Programming (OOP) using engine's classes along with my custom functionality
- Implemented complex plane movement patterns using mathematical concepts which made the movement unpredictable
- The project received high praise from my lecturers

Complete Software Development Lifecycle

Sole Designer

- Managed the full software development lifecycle for an A-Level project, designing a Sudoku game with Python and Pygame
- Conducted thorough planning, analysis, and design phases, creating detailed plans and pseudocode for the final project
- Demonstrated strong project management skills by organising and executing each phase of the lifecycle
- Received positive feedback from stakeholders throughout the project lifecycle

Experience

Morrisons Flowerworld
Part-Time

Warehouse Operative

- Collaborated with a team to efficiently process goods in a high-pressure warehouse environment
- Handled box transportation, product preparation and packaging ensuring timely and accurate processing of orders
- Achieved effective teamwork and time management, consistently meeting strict deadlines

Universal Accountants
One-Week Internship

Assistant Accountant

- Served as the front face of an accounting office responsible for different accounting services
- Assisted with payroll and tax calculations, managed the main call line, and supported various accounting tasks, ensuring accuracy and compliance
- Enhanced communication and analytical skills, while also improving leadership abilities