

Jack Hardy

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As an enthusiastic and dedicated computer science student at The University of York, I am looking forward to the challenge of an industrial placement. In this role I will be able to apply my natural interest, aptitude, and ability, in the working world.

Education

2021 - Present

BSc Computer Science (with a Year in Industry) – The University of York

First Year Modules: (*Average: 69%*)

- Software 1: Foundations of Programming for Computer Science (**94%**)
- Software 2: Object Oriented Data Structures & Algorithms (**78%**)
- Systems & Devices 1: Introduction to Computing Systems (**40%**)
- Theory 1: Mathematical Foundations of Computer Science (**74%**)
- Theory 2: Formal Languages & Automata (**71%**)
- Human-Computer Interaction 1: Introduction to User Centred Design (**67%**)
- Data 1: Introduction to Data Science (**56%**)

Second Year Modules: (*Average: 66%*)

- Intelligent Systems 1: Search & Representation (**74%**)
- Systems & Devices 2: System Software & Security (**50%**)
- Theory 3: Computability & Complexity (**69%**)
- Data 2: Data Analysis & Management (**69%**)
- Human-Computer Interaction 2: User Experience (**65%**)
- Engineering 1: Introduction to Software & Systems Engineering
- Systems & Devices 3: Advanced Computer Systems
- Intelligent Systems 2: Machine Learning & Optimisation
- Software 3: Functional Programming with Applications

2019 - 2021

Dyffryn Conwy High School (Sixth form)

A-Level: Mathematics (**A**), Physics (**A**), Welsh Baccalaureate (**A**)

BTEC: Engineering (**Distinction***)

2014 - 2019

Dyffryn Conwy High School

GCSEs: **4x A***, **3x A**, **2x B**, **1x C** including:

Maths (**A***), Computer Science (**A**)

Work Experience and Volunteering

2016 - Present

Elen's Castle Hotel & Restaurant

My responsibilities in my family's business are numerous and wide-ranging and I have frequently had to take sole responsibility in the absence of my parents.

I have to be personable, approachable, adaptable, and friendly. I am able to prioritise, delegate and work in a close knit, responsive and dynamic team.

2019 - 2020

Volunteer Maths Tutor

Classroom and individual tutoring to struggling year 7 students.

Technical Skills

- Python (self-taught)
- Java
- C
- Assembly Language Programing
- Git
- Balsamiq Wireframes
- Visual Studio Code
- IntelliJ IDEA
- Notepad++
- Xilinx ISE Design Suite

Achievements, Interests, and Hobbies

In 2020, I received a Gold Crest Award for Engineering Education Scheme for Wales for completing a project with Airbus, Broughton. In 2019, I was awarded the Conwy Valley Rotary Prize for Exceptional Performance in my GCSEs. Following that I was invited to join the Seren Network during my time in 6th form, which involved participating in master classes and attending the national conference. I spend a lot of my spare time gaming, and I enjoy trips to the cinema. I have travelled internationally and particularly enjoy skiing.

Projects Overview

TerminusRP (Hobby Project)	Sep 2022 - Present	<p>A DayZ Server that reworks most of the game to provide a unique community and experience to players.</p> <p>This is a large project that encompasses many sub-projects including:</p> <ul style="list-style-type: none">- Creating, and coding DayZ mods.- Artworks (in-game textures, logos, maps, etc.)- Creating and coding a Discord Bot.- Creating a website.- Hosting and managing a game server.
JackJohnHardy.com	Dec 2022 - Present	<p>My personal website that includes more information about me, including a portfolio.</p>
Piazza Panic (Project Lead)	Oct 2022 - Present	<p>A kitchen simulator game for presentation at open days for the University of York.</p> <p>This game will be designed to the specification of our client from the university, and will be implemented from in Java using the LibGDX library.</p> <p>This project is a part of the Engineering 1 module.</p>
BirdGame (Individual Research Project)	Sep 2020 - Jun 2021	<p>A simple but enjoyable mobile game as a part of the Individual Research Project for Welsh Baccalaureate A Level.</p> <p>This game was created using Unity and C#.</p>
Whitehaven Minecraft Server (Owner)	Jan 2020 - Jan 2022	<p>A Vanilla+ Minecraft Server and Community. In my time running this server it received over £250 in player donations which more than covered the server expenses. I have since archived the server and moved on from playing Minecraft along with many of the players who played the Whitehaven server.</p>

For more information about me and my projects, visit: <https://jackjohnhardy.com>