

Lewis Patterson

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Portfolio Site (HTML, CSS & JavaScript) - <https://lewis-patt3rson.github.io/>

About Me: MSc Computing student with a love and passion for technology and software development, eager to undertake opportunities in the industry to test and progress my abilities as a developer.

Technical Skills

Programming – Experienced in C#, Java, C++, Python. I have created multiple applications using each of these applications, with database integration and utilization of the .NET framework where necessary.

Databases – Proficient with SQL, used individually through DBMS such as MySQL and through application integration to C#, Java and Python. With limited experience in NoSQL, particularly document type.

Web Development – HTML, CSS & JavaScript I have used in combination to create websites for university assessments, as well as my portfolio website, which will be updated accordingly with newly learned skills.

IDE's – Comfortable using Visual Studio, Visual Studio Code, Eclipse and PyCharm, and have used each to create applications, shown on my portfolio site.

OS/Software – Highly familiar with Windows 10, Android and IOS operating systems, with some experience of Linux and ChromeOS. Confident with GitHub, using multiple devices, repositories and tools.

Hardware – I have built many PC's or varying specs and requirements for myself and my friends since I first decided to create my own for studying software. I have also created small embedded systems using Arduino.

Education and Qualifications

2022 – Present: Edge Hill University, Ormskirk
Modules Include:

- Application Development with Java
- Databases and Data Modelling
- Emerging Technologies

MSc Computing

Result: Distinction (Predicted)
(Classes held 6pm-9pm)

2020 – 2022: Edge Hill University, Ormskirk
Modules Include:

- Object-Orientated Development
- Advanced Databases
- Software Engineering
- Big Data

BSc (Hons) Computing

Result: First Class Honours

Final Project: 'Ingredient Filtered Recipe Application'

Qualification received: Microsoft Technology Associate – Database Fundamentals, Security Fundamentals

2018 – 2020: North West Regional College, Derry
Modules Include:

- Web Development
- Databases
- Visual Programming and Data Structures
- Networking & Architecture

Foundation Degree in Software Development

Result: Distinction

2016 – 2018: North West Regional College, Derry

BTEC Level 3 Extended Diploma in Business

Result: Merit, Merit, Pass

2011 – 2016: Foyle College

GCSE's

Result: 7x (A-C) including Maths, English, I.T

<i>Industry Experience</i>	
<p>Management Information Systems (MIS) – Software Engineer Intern: 03/2020 – 06/2020</p> <p>MIS are a software development team operating from the North West Regional College, in Derry, Northern Ireland. The team offers in-house development solutions to the college as well as contracted external projects.</p> <p>I joined MIS as part of my foundation degree, along with two other students. Our task was to digitize workshop enrolment for the Career’s team of the college, to allow for correlation to be drawn between attendance at UCAS workshops and University applications.</p> <p>We created a C# Windows Form Application using Visual Studio, connected to a SQL database running on SSMS. The requirements for this application were sourced through an initial meeting with the Career’s team to not only understand the requirements, but their priority and necessity to understand where our focus should be aimed when it came to development.</p> <p>From this meeting, our team designed a database collectively and I opted to delegate the work accordingly to my colleagues, based on their skill set which I had witnessed from our studies together. Unfortunately, COVID-19 resulted in a lockdown during the third week, resulting in development having to continue from home.</p> <p>To accommodate this, I set up regular meetings with the career’s clients on teams to assess progress and receive feedback, as well as setting regular goals and requesting regular updates towards these goal’s success from my team members.</p>	
Personal Skills	
<p>Problem Solving – I have always loved solving and testing myself with puzzles, I believe my success in development comes mostly from my ability to deconstruct and overcome a problem efficiently, whilst also being able to assess and determine ideal feasible outcomes towards a development scenario.</p> <p>Adaptability – Requirements and objectives can frequently change in projects, especially those with frequent client input, such as my MIS experience. Due to this, I have found myself able to adapt my work and methods to conform with changes as they occur, ensuring they cause as minimal disruption possible.</p> <p>Leadership – I believe myself to be very approachable, always willing to lend a hand to any of my team mates should they need it and helping guide them through any confusion or issues. During my studies I would stay behind after class to help my friends with concepts in development that confused them, ensuring they had the tools at their disposable to fulfill their work.</p>	
Additional Experience	
<p>Delivery Driver – Papa John’s (09/2021 – 01/2022)</p> <p>Handled the delegation of drivers to delivery locations according to their time from ordering paired with nearby deliveries. I also went out on these deliveries myself, delivering the order in a professional and efficient manner.</p> <p>Customer Service Advisor – Argos (09/2016 – 02/2020)</p> <p>Regularly displayed and utilized effective customer service to encourage customers to purchase insurance for their items, or to apply for an Argos buy now, pay later card.</p> <p>Conducting inventory checks on high value items such as technology and jewelry, as well as the loading and unloading of said inventory from the warehouse to the customer and vice versa.</p>	
Additional Information	
<ul style="list-style-type: none"> • Full Clean Driving License • Member of the Pokémon, Japanese, Anime and Trading Card Game societies at Edge Hill University. 	
References	
Available on Request	