

# Owen Shaw

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Willing to relocate: Anywhere

## Relevant key skills

### Communication

- Able to communicate clearly and with conviction across all my job roles even in stressful environments.
- Delivered many presentations across the course of my degree and have delivered them clearly reflected in the mark given by my tutors.
- Multiple group projects in which I have been tasked with maintaining productivity through communication with my peers.

### Teamwork

- Worked as part of a team in all of my restaurant and bar experience working closely with all other members of staff.
- Completed group assignments over the course of my degree which included producing code, presentations, testing AI algorithms on given datasets and did so to achieve good marks in these assignments

### Programming

- Over the course of my university degree, I have learnt and got a deep understanding of many different programming languages in a variety of different modules.
- I have knowledge of the following languages: Python, Java, HTML, CSS, MySQL, XML, C#, .NET

### Technical Knowledge

- I Have extensive knowledge of Cloud based systems. As well as experience using a Linux based system both with GUI and through the terminal.
- I also have experience using GIT

### Machine Learning / Neural Networks Knowledge

- I have knowledge of multiple different ML algorithms and have learnt to apply them in a variety of different situations across my university modules, I also specialised in ML for my dissertation utilising neural networks to create an emotion recognition AI.

## Projects

- Final year project (Emotion recognition in video feeds using neural networks)  
For this project I developed a neural network to analyse emotions via a webcam. I did so by training the algorithm using image-based datasets and then performing analysis on a range of different neural networks and machine learning algorithms
- Intelligent systems  
For this project I used a range of machine learning algorithms to design, implement and evaluate AI techniques against large-scale, real-word datasets (e.g., amazon product reviews) and critically analyse the strengths and limitations of these AI techniques.

- Complex systems

For this project in a group, we were tasked to develop a complex system using a multitude of tools including but not limited to: Azure, HDFS, SQL, Hadoop. Additionally, as a group we were tasked with implementing and testing a range of functionalities into the system and creating the designs for the system.

## Education

### **PGCE(Computing) at Edge Hill University:**

2022 - Current

### **Bachelor's in Software engineering Edge hill university (2:2 58%) –**

Modules across 3 years:

Year 1:

Programming concepts to construction 1

Programming concepts to construction 2

Web Design & Development

Foundations of Computer Science

Digital world: Information systems & design

Digital world: Computer Architecture & Networks

Year 2:

Object orientated programming

Mobile Apps

Introduction to software quality assurance and testing

Employability

Databases

Year 3:

Research and development methods

Research and development project (Emotion recognition in video feeds using AI)

Intelligent systems

Embedded systems software development

Complex systems

### **A-Level or equivalent in Computing John Rigby college (D\*D\*D\*)–**

Wigan

September 2017 to August 2019

### **GCSE or equivalent in 7 GCSEs B-C St Edmund Arrowsmith Catholic High School –**

Wigan

September 2012 to July 2017

## Work Experience

### **Bar Staff Lyme tiger –**

Ormskirk June 2021 to July 2022

### **Kitchen Porter/Cook Sinners club Burscough –**

Burscough October 2019 to September 2021

### **Kitchen Porter Barnyard Ormskirk –**

Ormskirk October 2020 to January 2021

## Certifications and Licenses

**MTA: Security Fundamentals - Certified 2021 January 2021 to Present**

Quote given by Microsoft "Earners of the MTA: Security Fundamentals certification have demonstrated fundamental security knowledge and skills. The MTA program provides an appropriate entry point to a future career in technology

**References: Available at request**