Joseph Smith

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Personal Profile

A highly motivated software developer with a bachelor's degree in Computer Science. I am eager to learn and adaptable. I have a strong work ethic and stay updated on industry trends. Additionally, I work well both independently and as a team member, ensuring effective communication between myself and others. I am dedicated to delivering high-quality results and making meaningful contributions to software development teams.

Education

BSc(Hons) Computer Science - 2:1.   `2020-2023`
University of Lincoln

3 A levels: Biology, Math, Psychology   `2017–2020`

10 GCSE grades 7-4(A-C) including Maths and English   `2012–2017`

Technical skills

PROGRAMMING LANGUAGES	Python, C#, C++, LaTeX, SQL
IDE's	Visual Studio code and Community, Jupyter
Software	Unity, Unreal Engine 5, Git, GitHub
OS	Windows, Ubuntu

Projects

All these projects can be found on my Github.

Robot detection/grasping Project   `May 2023`
A object detection and grasping project using the TIAGo robot and ROS

Robot Pathfinding   `April 2023`
A robot pathfinding script that was executed using Docker and ROS 2

Image Enhancement   `March 2023`
A histogram equalisation program to uses histogram equalisation that adjusts the contrast of an image using C++ and OpenCL

Frog Shooter   `March 2023`

A unity game made for a game jam event at university with a friend

Machine Learning Algorithms   January 2023

The Implementation of different machine learning algorithms.
Such as decision trees and KNN algorithms.

Artificial Neural Network Python   April 2022

This is a neural network created from scratch using python

Banking App   January 2022

This project is a rudimentary banking app program written in c++

Interests

Swimming Swimming is an interest I've had since I was a child and I have enjoyed doing it ever since and, i have even swam for my local club when I was younger.

Table Top Games Playing tabletop games has been a lifelong passion of mine, cultivated since my early years. The immersive worlds of games like DnD and Warhammer have captivated me. These games allow me to delve into uncharted territories of imagination, conjuring up new ideas and weaving intricate narratives that I eagerly share with my friends.

Cooking Cooking has been a recent interest since being at university as enjoy the relaxation that comes with preparing and cooking new things gives me the ability to taste and experience new flavours.

Reference

For references, please email me.