

Computer Science graduate from the University of Hull, with interest in Software Development, Electronics and Fullstack Web development.

Education

University of Hull (September 2018 - June 2021) First Class Honours

BSc Computer Science

- C#, C++, Python
- Artificial Intelligence - Developed Genetic Algorithm for an existing Neural Network in C#
- Object-Oriented Programming - Created the game "Uno" in C#
- Electronics and Interfacing - Developed an assortment of small software for an Arduino microcontroller
- System Analysis, Design and Process - Group project to design and develop a piece of software and go through the whole software development process using the Agile methodology.
- Data Mining - Used Python and Jupyter Notebook to analyse a cardio-vascular health data-set and produce a classifier for that data-set.

Hull College(September 2016 - June 2018) Grade - D*DD

Level 3 Extended Certificate in IT

- Designed a taxi booking app.
- Developed team working skills while working on a database with two other students.
- Database - Developed dashboards together with a team of students for a booking system that was created in Microsoft Access.

Experience

Smash Crab Studios

- We worked on developing abilities for a mobile game.
- Worked on a replica of the Snake game within a group of other students in Unity.
- Used git and source control to make a game in a team with Unity Game Engine.

Fantasticon

- Worked with team members to ensure that the venues in the event had everything that they needed.
- Coordinated with team members the most efficient placement of the volunteers to be easily called for if needed.

Projects

EEG Controlled Prostetic

Used Python to develop software that can control a 3D printed prosthetic by reading real-time brain data. The software mimics an EEG brain-reading device and outputs the data similarly to what an EEG device would. The other part of the software reads in the data with the help of Sockets; the software then processes it into a graph using Matplotlib.

Technical Skills

Programing Languages

Python

C++

C#

JavaScript

Markup Languages

HTML

CSS

LaTeX

Tools

Git

Arduino

Adobe CC

Fusion 360

Blender

Languages

Swedish

Arabic

English