Aki Wainwright

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Profile

Technical skills

- Programming languages - C++ and c#
- Testing and debugging
- Version Control - Git
- Operating systems - windows and linux
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Education

Staffordshire University 2020 - 2023

Bachelor's degree in Computer Games Development - 1st Class

- Learned basic AI behaviors in games and how to use them with a state machines
- Learned concepts of TCP and UDP in data transfer across networks
- Utilised object oriented programming across all projects
- Used github as version control for projects
- Complete assignments using C++ and C#
- Learned about concurrent programming and the complexities with it

Darrick Wood 6th Form 2015 - 2017

A Levels in Computer Science, Maths and Psychology

- Used Python for a word encoder for an assignment in Computer Science
- Learned basics of html c++ and java script
- Learned some basic unix code through the use of a raspberry pi system

Projects

Chat server with rock paper scissors — *Used C# and WPF*

- Sent data across the network with understanding of UDP and TCP
- Set up a pseudo lobby system to allow users to play rock paper scissors
- Allowed for users to use private and public chats using key commands
- Used a class based system to set up users
- Built a login system requiring users to set up a profile with a password

Endless runner style game — *Using C++ and OpenGL*

- Used object pooling to improve efficiency of the code
- Used Object-oriented programming to set up all of the game elements
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