Liam Clegg

Software Engineer

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I am an enthusiastic software engineer and web developer with experience in various programming languages and web frameworks. I have been programming since 11 years old and have been continuously interested in computer science and software development.

I have created many projects over the years such as a visual representation of algorithms and data structures in typescript, peer-to-peer apps inside of the web browser using WebRTC, and fun projects such as a terminal game engine in c++.

I might be at University but I have lots of experience already due to my length of time programming.

EDUCATION

Swansea University, Computer Science BSc.

September 2021 - May 2024

Davenant Foundation School, A-levels

September 2019 - July 2021

Computer Science, Maths, Physics

Davenant Foundation School, GCSEs

September 2014 - July 2019

Maths, English Lang, English Lit, Physics, Biology, Chemistry, Computer Science, History and art.

PROJECTS

Blockchain polling app

One project I've worked on is a peer-to-peer app to allows users to vote on polls. In this project, I use Blockchain, Kademlia and WebRTC. This taught me how peer-to-peer technologies work on a deeper level since I had to create the entire network from scratch.

Algorithms visualizer

A type of project I always come back to is algorithm and data structure visualizer. This includes search algorithms, sort algorithms, path-finding algorithms, maze and map generation, trees, and graphs. This has taught me how to look outside of the box to make algorithms understandable in a visual way.

Terminal game engine

Another project I have created is a terminal game engine. This was a simple way to learn how to code physics, rendering and game engines to structure their data. It taught me how to create an entity-component system which is a general solution to allow all things (or entities) in the engine to be represented by components inside a collection of systems.

SKILLS

Node.js

React.js

Express.js

HTML, CSS and JS

TypeScript

SASS

MongoDB & SQL

Java

C++ (14)

Git (Github)

Hobbies

Other than software development I also enjoy drawing, playing the guitar, and doing activities with friends. This helps me to have a more balanced work-life balance and improves my mental health which boosts productivity at work and in life.

What am I looking for?

I am looking for remote work in software engineering or full-stack web development.