

Jesse Fryer

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Ascot 4007, QLD

Hi, I'm Jesse, I am currently studying in my last semester of Computer Science at UQ. I enjoy technical challenges and design.

Skills

Programming Languages (sorted by proficiency + experience)

- C++, C, Python, JavaScript, C#, Java

Technologies

- React, Vite, Tailwind, Bootstrap, NodeJS, OpenGL, CMake, REST APIs

Tools

- Vim/NeoVim, VSCode, Visual Studio

Projects

Stoff2D – 2D game engine/library (C, OpenGL, CMake) github.com/Stoff-Studios/Stoff2D

Developed a 2D batch renderer, an animation system, a particle system, and an entity-component system in C and OpenGL.

- Implemented data structures and algorithms in C to create game engine systems
- Designed and applied a scalable build system using CMake to produce a cross-platform C project
- Documented codebase consistently and cleanly to create a clean and usable API

Treasure Hunt Website (React, Tailwind, JavaScript)

Produced a dynamic website using React, RESTful API, and bootstrap

- Created an intuitive user interface using React + Bootstrap
- Implemented backend JavaScript to facilitate POST/PATCH/DELETE operations through RESTful API
- Utilized a wide variety of React elements such as QR code generators, map location pickers and forms

Experience

Height Perceptions (capstone university project) - 3D Artist

I developed a virtual reality experience in a small team. I learned how to effectively work in a fast-paced team environment. I demonstrated a high ability to upskill whilst on the job.

- Developed stylised, optimised 3D assets for a VR application
- Learned/applied an effective 3D asset creation workflow and produced internal documentation to assist team members in doing the same.
- Collaborated with a small team to produce a high-quality product which satisfied a project brief provided by shareholders and conformed to deadlines

Taggart Tutors – Maths Tutor K-12 (CURRENT)

- Ph: 07 3356 1177

Education

University of Queensland, St Lucia

Bachelor of Computer Science (Programming Languages) - graduating December 2024