

Daniel Steele - Full Stack Developer

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EDUCATION

Plymouth University

Bachelor of Science in Computer Science (Hons)

Plymouth, UK

Sept. 2021 – Jul. 2024

EXPERIENCE

WordPress Developer Intern - Work Experience

Feb. 2022 – April 2022

Falcon Digital

Newton Abbot, UK

- Designed and Developed websites using WordPress for local businesses across the south west.
- Collaborated with clients about their specific business needs and requirements.
- Ensured that all sites were fully optimized for responsiveness and designed for maximum SEO performance.

PROJECTS

SkyCompass | *JavaScript, React, NodeJS, MongoDB, ExpressJS, Git, Figma*

- Developed a full-stack web application to track weather patterns using OpenWeatherMap and Open-Meteo's free API's.
- Features include a multiple layers of data such as global precipitation, temperature levels and wind patterns.
- Automatically updates once every three hours, with a core forecast feature to update every 15 minutes.
- Users can focus in on any location on the planet to receive up-to-date weather data.

FocusDev | *JavaScript, React, NodeJS, MongoDB, ExpressJS, Git, Figma, MaterialUI*

- Developing a full stack web application for myself, as a project management application.
- Includes features such as a notes widget, Calendar, upcoming events, Quick links, GitHub commit graph, local weather forecast, with more planned.
- Will include accounts, implemented via MongoDB. Potential for project to go live after development is complete.

TravelTracker.io | *JavaScript, React, NodeJS, MongoDB, ExpressJS, Git, Figma, MaterialUI*

- Developed a full stack web application for users to track their holiday memories.
- Users interact with a 3D map interface to track holiday destinations.
- Features include ability to add photos and descriptions of each trip, a photo book, holiday suggestions and the ability to share data with family and friends.
- Accounts fully implemented, with data being stored using MongoDB and encrypted with Bcrypt hashing.

Developer Portfolio | *JavaScript, React, ExpressJS, NodeJS, MaterialUI, Git, Figma*

- Developed a front-end web application to showcase my work online.
- Personal website, available at <https://danielsteele.dev>.
- Fully responsive with animation, hosted using GitHub pages.
- Features all projects mentioned, plus a select few extra.

Earth Sim | *C++, OpenGL, GLSL, ASSIMP, GLFW, GLAD, GLM*

- Designed and implemented realistic Earth and Moon models, complete with rotational dynamics and orbital motion in a fully 3D environment.
- Used OpenGL and GLSL for rendering, with ASSIMP for model loading and GLM for movement and animation of the scene.
- Programmed custom camera controls for exploration of the simulation.

TECHNICAL SKILLS

Languages: HTML/CSS, JavaScript, C/C++, OpenGL, SQL, MongoDB

Frameworks: React, NodeJS, ExpressJS, WordPress

Developer Tools: Git, VS Code, Visual Studio, Figma

Libraries: MaterialUI, LeafletJS, Mapbox API, Bcrypt encryption