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Matthew W Buckley

Full Stack Web Developer with a Scientific Background

HTML	MongoDB	Sass
CSS	Express	Redux
Javascript	React	Git
	Node	Webpack
		GatsbyJS
		NextJS

About

I am interested in science, tech, games, and politics. I persued science up to my PhD in Chemistry where I started to get a taste of programming, developing tools to analyze my data. I fell in love and have been pursuing programming since. I chose web development because the information age is powerful and awe inspiring, while the work itself offers both logic and creative challenges.

Projects

iCYOA — A story/game maker with a drag and drop WYSIWYG interface that can export static images or publish on the site to create an interactive version. Created using the MERN stack with the third-party headless CMS Strapi for the backend.

Short Story Site — The site allowed stories of 100, 200, and 400 words, and comments of 10, 20, and 40 words, respectively. Comments and ratings were invisible unless a rating had been left. Nothing was amendable after submission to imitate traditional print.

NASA APOD — A single page site that requests the picture of the day from the NASA APOD API. The site is intended to showcase a React site built from scratch and was used to learn the basics of Webpack.

Portfolio — My old and current portfolio sites were built with the static site generators GatsbyJS and NextJS respectively.

Boost Ball — A pseudo pool game for android released on the Play Store. The game involves potting balls to gain the maximum number of points within a time limit. The game features power-ups, abilities, and high scores (local), which can be played over 16 levels and an endless arcade mode.