Mathew Marquez

Email: marquez.mathew@gmail.com | Portfolio | Chicago, IL, USA | Army Veteran

Experience

Freelance Frontend Engineer   Dec 2022 – Current
Self Employed

- Developed professional websites using multiple languages and frameworks such as HTML5, CSS3, Tailwind CSS (+ SCSS, BEM), JavaScript, React, NextJS, and Typescript
- Improved website performance by compressing, caching and lazy loading images and components
- Included SEO, responsive, multi-platform and hosting support, enabling their website to be used by any browser or device in the world

Frontend Developer Support   Dec 2022 – Current
Frontend Simplified

- Supporting 100+ users/students using HTML, CSS, Flexbox, JavaScript and React
- Utilized debugging best practises using Google Chrome inspect element tooling
- Simplified difficult programming concepts including responsive website development, CSS layout, Promises and API requests

Frontend Engineer Intern   Jun 2023 – Nov 2023
Frontend Simplified Online

- Transformed a completely static HTML, CSS, JavaScript and React single page application into an interactive user interface using animations, transitions and carousels
- Processed API requests with Axios to dynamically represent data from a cloud server and represented it through skeleton loading states, pagination and dynamic routing
- Utilized Git version control and the GitHub interface to work and thrive in a virtual and collaborative team environment

Geospatial Analyst   Jan 2020 - Present
IUE | Associated Veterans

- Provided official Technical Manual feature extraction products and data storage services for DoD and State operations

Geospatial Analyst   Apr 2019 – Jan 2020
Skyris LLC

- Provide 3D feature extraction products for operations and situational awareness to the DoD and Military Services for planning and advising.

Geospatial Analyst   Jul 2017 – Apr 2019
Leidos Inc.

- Identifying and extracting relevant features such as buildings, trees, roads, and power lines from point clouds
- Using software tools to visualize and interact with point clouds in 3D space, allowing you to better understand the captured environment
- Properly set up and operate LiDAR sensors for data collection, considering factors like point density, scan patterns, and sensor calibration

Leidos deployments / overseas assignments

- Leidos - Deployed to Bagram, Afghanistan   January 2018 to April 2018
- Leidos - Deployed to Djibouti, Africa   August 2018 to October 2018

U.S. Army   Apr 2013 – Apr 2021
Geospatial Analyst

- Creates clear and informative maps, charts, and visualization thar effectively communicate geospatial data and analysis results.
- Knowledge of geospatial databases and their design, management, and query operations to efficiently store and retrieve spatial information.
- Proficiency in programming languages like Python, and JavaScript to automate geospatial processes, develop custom tools, and work with geospatial libraries.

Projects

Library | [Link](#)
- Library Book Store provides users with a virtual library experience, complete with the ability to explore books, add them to a cart, and navigate through multiple pages with the added visual enhancement of skeleton loading for a smoother user experience.

NFT Marketplace | [Link](#)
- Provide a practical and efficient solution for shortening URLs, making them more manageable and shareable. Useful as a web application that involves HTML, CSS and JavaScript.

Article Summarizer | [Link](#)
- Provide a practical and efficient solution for shortening URLs, making them more manageable and shareable. Useful as a web application that involves HTML, CSS and JavaScript.

Admin Dashboard | [Link](#)
- Admin Dashboard design is an effective and user-friendly interface catering to the specific needs of administrators by providing efficient data management, interactivity and a visually appealing interface.

Technical Skills

Languages: HTML5 | CSS3 (+ SCSS, BEM) | JavaScript ES6+ | Typescript | Python
Frameworks: React (+ hooks) | Next.js | Material-UI | Redux | Tailwind CSS
Technology: NPM | Git | Yarn | React dev tools | Firebase v9 | GitHub

Education

Frontend Developer Bootcamp   **Dec 2022 – Jun 2023**
Frontend Simplified

CS50 Introduction to Computer Science   **Jan 2023 – Present**

Diploma in Geospatial Engineering Analysis   **Nov 2013**
U.S. Army Corps of Engineers

High School Diploma in General Education   **Jun 2011**
Kelvyn Park – Chicago, IL