

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, data storage services, and updates for vector files necessary for mission purpose to the DoD and at the State level.

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
- Leidos - Deployed to Djibouti, Africa

January 2018 to April 2018
August 2018 to October 2018

- Creates clear and informative maps, charts, and visualization that 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.

MediaHub Pro | [Link](#)

- Developed a modern YouTube clone application using React.js as the frontend framework, incorporating Material UI 5 for a smooth and responsive design. Leveraged the power of RapidAPI to integrate with various APIs, enhancing functionality and providing users with a rich, dynamic video-sharing experience.

NFT Marketplace | [Link](#)

- Engineered a dynamic NFT Marketplace, providing users with a seamless platform to trade digital assets. Implemented modern design principles and interactive features to enhance the user experience, showcasing proficiency and contributing to the evolving landscape of blockchain-based apps.

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
Frontend Simplified

Dec 2022 – Jun 2023

CS50 Introduction to Computer Science

Jan 2023 – Present

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

Nov 2013

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

Jun 2011