

Mathew Marquez

Email: marquez.mathew@gmail.com | [Portfolio](#) | Chicago, IL, USA | Veteran

Experience

Freelance Frontend Engineer

Dec 2022 – Current

Self Employed

- **Web Development Skills:** Organized the creation of progressive, professional websites by utilizing a diverse array of languages and frameworks, including HTML5, CSS3, Tailwind CSS (alongside SCSS and BEM), JavaScript, React, Next.JS, and Typescript. Proven proficiency in web development with comprehensive skill set to deliver refined and innovative solutions.
- **Optimized Website Performance:** Raised website functionality and user experience through the operation of modern image and component compression, caching, and lazy loading techniques. Achieved improved load times and responsiveness, enhancing user satisfaction.
- **Feature Integration:** Planned websites with necessary features, including SEO optimization, responsive design, multi-platform compatibility, and robust hosting support. Ensured seamless availability across diverse browsers and devices on a global scale, strategically integrating features to enhance user engagement and expand reach.
- **Conduct research** to test and analyze feasibility, design, operation and performance of equipment, components, and systems. Research emerging web technologies and trends for possible incorporation into sites. Improved tools to boost user interaction and deliver design versatility.

Frontend Developer Support

Dec 2022 – Current

Frontend Simplified Online

- **Assisted 100+ Users with Technical Support:** Delivered technical support to a diverse user base, using knowledge in HTML, CSS, Flexbox, JavaScript, and React. Guided users through technical challenges, promoting a supportive learning environment for individuals with valuable skills.
- **Modernized Issue Resolution with Debugging:** Implemented standardized debugging practices to identify and resolve issues, ensuring optimal performance. Utilized tools such as Google Chrome inspect element, demonstrating attention to detail and a commitment to maintaining seamless user experiences.
- **Simplified Learning Through Communication:** Effectively communicated and interpreted difficult concepts for diverse audiences, creating an educational atmosphere. Covered topics including responsive website development, CSS layout, Promises, and API requests, demonstrating a commitment to collaboration and enabling learners through clear and engaging communication.
- Covered topics including responsive website development, CSS layout, Promises, and API requests, demonstrating a commitment to collaboration and enabling learners through clear and engaging communication.
- Cultivating interpersonal skills by building positive relationships with others. Developed strong communication and organizational skills through team collaboration.

Frontend Engineer Intern

Jun 2023 – Nov 2023

Frontend Simplified Online

- **Increased User Experience through UI Engineering:** Transformed a static HTML, CSS, JavaScript, and React single-page application into a dynamic and visually appealing user interface. Introduced interactive elements, including animations, transitions, and carousels, resulting in a considerable boost in user engagement and overall visual appeal.
- **Optimized Data Presentation with API Integration:** Led the integration of Axios to streamline API request processing, dynamically fetching and staging data from a cloud server. Implemented key features, such as skeleton loading states, pagination, and dynamic routing, contributing to an efficient user experience.
- **Enabled Collaboration through Version Control:** Proven proficiency in Git version control and in navigating the GitHub interface. Assisted in collaboration within a virtual team environment, ensuring an efficient and organized development process.
- Tested prototypes and standard products and wrote reports to document results. Planned website development, converting mockups into usable web presence with HTML, CSS, JavaScript, and React.JS

Geospatial Analyst

Jan 2020 – Dec 2023

IUE | Associated Veterans

- Transformed critical technical support for Defense and State operations, spearheading the delivery of feature extraction products, data storage services, and timely vector file updates. Instrumental in developing NGA Geographic Information Data Standards and Extraction Specifications, refining standards for heightened data consistency. Proven proficiency in managing NGA framework standards, specifications and enhancing quality and productivity, resulting in streamlined processes and heightened overall effectiveness.

Geospatial Analyst
Skyris LLC

Apr 2019 – Jan 2020

- **Elevated Operational Efficacy:** Directed the delivery of top-tier 3D feature extraction products to the Department of Defense (DoD) and Military Services, profoundly enhancing situational awareness for strategic planning. Integral to critical defense operations, the contribution significantly influenced informed decision-making amplifying the strategic impact.

Geospatial Analyst
Leidos Inc.

Jul 2017 – Apr 2019

- **Proficiency in Geospatial Analysis:** Extracted vital features from point clouds, buildings, trees, roads, and power lines, showcasing attention to detail. Improved 3D visualization through adept utilization of software tools, expanding comprehension for analysis and decision-making. Demonstrated specialized proficiency in LiDAR sensor setup and operation, focusing on considerations such as point density and sensor calibration to ensure high-quality geospatial data for analysis.

Geospatial Engineer
U.S. Army

Apr 2013 – Apr 2017

- **Dynamic Geospatial Expertise:** Proficiency in visual communication, crafting compelling maps and visualizations for the effective conveyance of geospatial data. Proficient in geospatial database management, design and optimizing query operations for data accessibility. Established efficiency through automation of complex geospatial processes using advanced programming languages, including Python and JavaScript.

Projects

Library | [Link](#)

- Developed a dynamic React-based E-commerce application, offering users an immersive virtual library experience. Implemented features enabling users to seamlessly explore books, add items to their cart, and navigate through multiple pages, enhancing overall user engagement and satisfaction. Visual enhancements incorporate skeleton loading, contributing to a smoother user experience and minimizing load times for increased user retention.

MediaHub Pro | [Link](#)

- Developed a modern YouTube clone, powered by React.js and enriched with Material UI 5 for a seamless, responsive design. Unleashed the potential of RapidAPI, seamlessly integrating diverse APIs to elevate functionality and deliver users a dynamic, feature-rich video-sharing experience.

NFT Marketplace | [Link](#)

- **Established a seamless NFT Marketplace Ecosystem:** Developed a dynamic NFT Marketplace, delivering users a platform for digital asset trading. Implemented cutting-edge design principles and interactive features, elevating the user experience and showcasing expertise in shaping innovative blockchain-based applications.

Admin Dashboard | [Link](#)

- Designed an Admin Dashboard, meticulously tailored to meet the specific needs of administrators. Ensured optimal data management through an intuitive and user-friendly interface, enhancing the efficiency of admin tasks. Prioritized interactivity, implementing features that facilitate seamless data manipulation and decision-making for administrators.

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

Associate in Computer Science | Nov 2023 – Present | Truman College, Chicago, IL

Frontend Developer Bootcamp | Dec 2023 – June 2023 | Frontend Simplified

Geospatial Analysis Diploma | Apr 2013 – Mar 2017 | U.S. Army, Ft. Leonard Wood, MI

High School Diploma | Aug 2007 - Jun 2011 | Kelvyn Park, Chicago, IL