Mathew Marquez

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

Experience

Freelance Frontend Engineer   Dec 2022 – Current
Self Employed

- Advanced Web Development Skills: Spearheaded the creation of cutting-edge, professional websites by expertly utilizing a diverse array of languages and frameworks, including HTML5, CSS3, Tailwind CSS (alongside SCSS and BEM), JavaScript, React, Next.JS, and Typescript. Demonstrated mastery in web development, employing a comprehensive skill set to deliver sophisticated and innovative solutions.
- Optimized Website Performance: Elevated website functionality and user experience through the operation of state-of-the-art image and component compression, caching, and lazy loading techniques. Achieved improved load times and responsiveness, contributing to enhanced user satisfaction and retention.
- Comprehensive Feature Integration: Engineered websites with essential features, including SEO optimization, responsive design, multi-platform compatibility, and robust hosting support. Ensured seamless accessibility across diverse browsers and devices on a global scale, strategically integrating features to enhance user engagement and expand reach.

Frontend Developer Support   Dec 2022 – Current
Frontend Simplified Online

- Enabled 100+ Users/Students with Technical Support: Delivered technical support to a diverse user base, employing expertise in HTML, CSS, Flexbox, JavaScript, and React. Guided users through intricate technical challenges, fostering a conducive learning environment for over 100 individuals with valuable skills.
- Streamlined Issue Resolution with Advanced Debugging: Implemented industry-standard debugging practices to swiftly identify and resolve issues, ensuring optimal system performance. Proficiently utilized tools such as Google Chrome inspect element, demonstrating a keen eye for detail and a commitment to maintaining seamless user experiences through efficient problem-solving.
- Facilitated Learning Through Clear Communication: Effectively communicated and demystified complex programming concepts for diverse audiences, creating an inclusive and educational atmosphere. Covered topics including responsive website development, CSS layout, Promises, and API requests, demonstrating a commitment to fostering collaboration and empowering learners through clear and engaging communication.

Frontend Engineer Intern   Jun 2023 – Nov 2023
Frontend Simplified Online

- Revitalized User Experience Through Dynamic UI Engineering: Transformed a static HTML, CSS, JavaScript, and React single-page application into a dynamic and visually captivating user interface. Introduced interactive elements, including animations, transitions, and carousels, resulting in a substantial boost in user engagement and overall visual appeal.
- Optimized Data Presentation with Advanced API Integration: Spearheaded the integration of Axios to streamline API request processing, dynamically fetching and presenting data from a cloud server. Implemented key features, such as skeleton loading states, pagination, and dynamic routing, contributing significantly to an enriched and efficient user experience.
- Enabled Seamless Collaboration through Version Control Expertise: Demonstrated proficiency in Git version control and precision in navigating the GitHub interface. Facilitated successful collaboration within a virtual team environment, ensuring a streamlined and organized development process for the project.

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   Apr 2019 – Jan 2020
Skyris LLC

- Elevated Operational Efficacy: Spearheaded 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   Jul 2017 – Apr 2019

Leidos Inc.

- Precision in Geospatial Analysis: Expertly extracted vital features from point clouds, buildings, trees, roads, and power lines, showcasing precision and meticulous attention to detail. Elevated 3D visualization through adept utilization of advanced software tools, amplifying comprehension for analysis and informed decision-making. Demonstrated specialized proficiency in LiDAR sensor setup and operation, addressing critical considerations such as point density and sensor calibration to ensure high-quality geospatial data for precise analysis.

Geospatial Engineer   Apr 2013 – Apr 2017

U.S. Army

- Dynamic Geospatial Expertise: Mastery in visual communication, crafting compelling maps and visualizations for the effective conveyance of geospatial data. Adept in geospatial database management, excelling in design and optimizing query operations for seamless data accessibility. Pioneered efficiency through automation of intricate geospatial processes using advanced programming languages, including Python and JavaScript, thereby advancing geospatial workflows.

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

- Transformed Video Sharing with Cutting-Edge React.js App: Development of 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. Demonstrated expertise in UX/UI design, emphasizing a commitment to delivering effective, user-friendly solutions for administrative tasks.

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