

# Mathew Marquez

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

## Experience

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### Freelance Frontend Engineer

Dec 2022 – Current

Self Employed

- Proficient in developing professional websites utilizing a diverse array of languages and frameworks, including HTML5, CSS3, Tailwind CSS (alongside SCSS and BEM), JavaScript, React, Next.JS, and Typescript.
- Enhance website performance through the implementation of image and component compression, caching, and lazy loading techniques.
- Incorporate essential features such as SEO optimization, responsive design, multi-platform compatibility, and robust hosting support, ensuring seamless accessibility across various browsers and devices on a global scale.

### Frontend Developer Support

Dec 2022 – Current

Frontend Simplified

- Provided comprehensive support for over 100 users/students, employing expertise in HTML, CSS, Flexbox, JavaScript, and React.
- Applied industry-standard debugging practices, leveraging tools such as Google Chrome inspect element for efficient issue resolution.
- Effectively communicated and simplified intricate programming concepts, encompassing responsive website development, CSS layout, Promises, and API requests.

### Frontend Engineer Intern

Jun 2023 – Nov 2023

Frontend Simplified Online

- Engineered a dynamic user interface by enhancing a static HTML, CSS, JavaScript, and React single-page application with interactive elements, including animations, transitions, and carousels.
- Implemented Axios for processing API requests, dynamically presenting data from a cloud server, and incorporating features such as skeleton loading states, pagination, and dynamic routing.
- Employed Git version control and proficiently navigated the GitHub interface, contributing to successful collaboration within a virtual team environment.

### Geospatial Analyst

Jan 2020 – Dec 2023

IUE | Associated Veterans

- Delivered official Technical Manual feature extraction products, comprehensive data storage services, and timely updates for vector files, catering to mission-critical requirements at both the Department of Defense and State levels.
- Contributed to the development of NGA Geographic Information Data Standards and Extraction Specifications by actively participating in their refinement.
- Demonstrated proficiency in organizing, preparing, and resolving standards and specification issues, fostering collaboration with diverse stakeholders to enhance the quality and productivity of existing NGA standards.

### Geospatial Analyst

Apr 2019 – Jan 2020

Skyris LLC

- Deliver 3D feature extraction products to the Department of Defense (DoD) and Military Services, contributing to operational efficacy and situational awareness for strategic planning and advisory purposes.

### Geospatial Analyst

Jul 2017 – Apr 2019

Leidos Inc.

- Proficiently identify and extract pertinent features, including buildings, trees, roads, and power lines, from point clouds.
- Employ advanced software tools to visualize and interact with point clouds in 3D space, enhancing comprehension of the captured environment.
- Demonstrate expertise in the setup and operation of LiDAR sensors for data collection, incorporating considerations such as point density, scan patterns, and sensor calibration.

- Produce clear and informative maps, charts, and visualizations that proficiently communicate geospatial data and analysis results.
- Demonstrate expertise in geospatial databases, encompassing design, management, and efficient query operations to facilitate seamless storage and retrieval of spatial information.
- Possess advanced proficiency in programming languages such as Python and JavaScript, leveraging these skills to automate geospatial processes, develop custom tools, and collaborate with geospatial libraries for enhanced efficiency.

## Projects

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### Library | [Link](#)

- E-commerce React application that 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 (MUI) 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

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**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

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### Associates in Computer Science

Truman College – Chicago, IL

**Nov 2023 - Present**

### Frontend Developer Bootcamp

Frontend Simplified

**Dec 2022 – Jun 2023**

### Diploma in Geospatial Engineering Analysis

U.S. Army Corps of Engineers – Ft. Leonard Wood, MI

**Apr 2013 – Mar 2017**

### High School Diploma in General Education

Kelvyn Park – Chicago, IL

**Aug 2007 – Jun 2011**