

# 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

- 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
- 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

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### 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](#)

- 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.

### Article Summarizer | [Link](#)

- Developed a web application employing OpenAI's API to automatically summarize online articles, integrating seamlessly with a frontend built on Reactjs and Vite for efficient bundling.

### 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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**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**