

# Gabriel Serna

📍 Randolph, New Jersey    ✉️ gabriel.serna118@gmail.com

Hey, I'm Gabe Serna, a front-end developer with expertise in building web applications using React, Next.js, and TypeScript. I'm skilled in responsive design, creating polished user interfaces, and integrating APIs to create a memorable web experience.

## Professional Experience

Pure Mitti October 2023 - September 2024

*Javascript Developer* Basking Ridge, New Jersey

- Designed and developed a custom dashboard integrating Shopify, Etsy, and Shippo APIs to streamline order tracking and shipment management.
- Automated inventory management with a custom script, enabling accurate real-time counts and maintaining a historical log for transparency.
- Created a data-driven analytics dashboard to provide key performance insights, highly praised for enhancing business decision-making.

## Projects

Songscribe November 2024 - November 2024

<https://songscribe.xyz/>

- Developed a web application that utilizes machine learning algorithms to automatically isolate and transcribe every instrument from any song.
- Built a responsive and user-friendly front-end using React.js, Next.js, and TailwindCSS, with modern UI components from shadcn/ui.
- Built and hosted a custom Python API to handle instrument isolation and audio-to-MIDI conversion, utilizing various open-source machine learning algorithms.

Where to Live December 2024 - Current

<https://github.com/gabe-serna/where-to-live>

- Currently developing a web application that uses interactive 3D data visualizations to help users find the best places to live globally based on personalized criteria, such as cost of living, climate, and lifestyle preferences.
- Used Three.js and React Three Fiber to enhance the user experience with 3D data visualization of the user's preferred locations, allowing for a more engaging application.
- Designed a multi-step form to capture detailed user preferences, utilizing React, Next.js, and Tailwind CSS for a responsive and intuitive user interface.

## Education

County College of Morris September 2024 - May 2025

*Web Development Certificate* Randolph, New Jersey

- Gained hands-on experience in designing and developing responsive websites using HTML, CSS, and JavaScript.
- Developed a strong technical base in programming, problem-solving, and web technologies, preparing for real-world application development as a frontend engineer.

## Skills

Programming Languages    TypeScript, JavaScript, HTML5, CSS3

Frameworks and Libraries    React.js, Next.js, Node.js, Tailwind CSS, Framer Motion, Axios

Tools and Platforms    Figma, Git, Vercel, Postman

Other Skills    Responsive Design, Web Accessibility, Data Visualization, State Management, Design