

Roman Moreno Jr.

(708) 712-4324 | roman.moreno226@live.com | [linkedin.com/in/romanmorenojr](https://www.linkedin.com/in/romanmorenojr) | github.com/rmore4623

EDUCATION

University of Illinois at Chicago (UIC)

December 2023

Bachelor of Science, Computer Science

SKILLS

Languages: JavaScript, SQL, Python, Go, Java, C/C++

Software/Frameworks: Git/GitHub, Linux, Node, React, Express, Next, Mocha, Pandas, Maven, IntelliJ

PROJECTS

Real Time Chat Application | *TypeScript, React, Go, SQLite, PocketBase*

January 2024 – Present

- Implemented WebSocket functionality for real-time communication, enabling efficient and low latency messaging
- Constructed a Go server with the ability to concurrently manage multiple connections, while also enhancing security by implementing user identification mechanisms for message senders
- Integrated PocketBase for user authentication and session management and SQLite for database management

Spotify Widget | *TypeScript, React, Tailwind CSS, SQLite, Go*

December 2023

- Developed a dynamic and immersive full-stack application, providing users with an engaging interface to interact with Spotify's API
- Implemented a robust Go-based backend, integrating SQLite server for data management, and seamlessly connecting with Spotify's API to enable user authentication and data retrieval
- Designed and optimized user experience, allowing users to explore playlists, including insights such as the number of artists and tracks, enhancing the overall functionality and appeal of the application

Speed Dating App | *Node.js, JavaScript, React, Express.js, PostgreSQL, Supabase*

October 2023

- Developed a speed dating application, integrating Supabase for role-based access control and user authentication with Google, ensuring a secure and seamless experience for users
- Created a visually appealing user interface using React and Bootstrap, enhancing the overall user experience and engagement, while maintaining a responsive and intuitive design for the frontend
- Implemented a backend using Express.js, interacting with the Supabase API, enabling efficient data management, utilizing PostgreSQL for data storage and employing triggers and Row-Level Security (RLS) to enable seamless CRUD operations

EXPERIENCE

Machinery Marketing International

January 2024 - Present

Full Stack Developer Intern

- Developed an algorithm to recommend similar items to users on company website, utilizing user activity tracking, resulting in improved user engagement
- Enhanced company website performance through Google Lighthouse analysis and targeted optimizations, resolving identified bottlenecks
- Established an efficient PostgreSQL database schema to store and retrieve user activity, optimizing data storage and retrieval processes
- Implemented comprehensive test suites and benchmarks using Mocha.js, ensuring reliability and performance of web requests and database queries

Northwestern Memorial Hospital

August 2015 – May 2019

IT Intern

- Installed and provided tech support for personal computers and printers, ensuring a smooth workflow for staff
- Successfully troubleshooted and upgraded computer systems, transitioning from Windows XP to Windows 7 for 150+ workstations, improving system performance
- Organized company files using cloud storage applications and created a support system to decrease workload and increase productivity for managers and supervisors