

# Roman Moreno Jr.

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

## 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 RESTful backend using Express.js to serve as a REST API, interacting with the Supabase API for efficient data management. This enabled seamless CRUD operations and utilized PostgreSQL for data storage, with triggers and Row-Level Security (RLS) ensuring data integrity and access control

## 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
- Implemented comprehensive test suites and benchmarks using Mocha.js, ensuring reliability and performance of web requests and database queries
- Created and hosted Dockerized ETL pipelines with Python, Apache Kafka, and Apache Airflow within Google Cloud Composer, streamlining operations, minimizing manual input, and enhancing overall company productivity

### 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