Martin Gomez

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EDUCATION

Moraine Valley Community College — Palos Hills, IL
Associates in Applied Science — *Aug. 2023 – May 2025*

University of Illinois — Chicago, IL
B.S. Computer Science — *May 2025 – Present (Expected: May 2027)*

PROJECTS

Natural Language Query Explorer | *React + TS, FastAPI, SQL, Vercel, Git* — Dec. 2025 – Dec. 2025
- Built a full-stack web app that translates natural-language questions into executable SQL queries over user-uploaded datasets.
- Designed a CSV ingestion pipeline to upload, parse, and structure tabular data for interactive querying.
- Integrated the OpenAI GPT API to generate SQL from user prompts and execute queries through a FastAPI backend.
- Implemented robust UX for query execution including loading states, error handling, and retryable requests.
- Deployed a production version for live demo access and portfolio use.

Baseball Stats Tracker | *React + Vite, TailWind, Node.js, Vercel, Git* — Aug. 2025 – Present
- Developed a single page web-application that allows users to manage players, add a game history, and track stats throughout a baseball season.
- Implemented state management and local data persistence to save player data across sessions.
- Deployed the app using Vercel and Git version control.

EatThis Food Picker | *React + Vite, Google Places API, Tailwind, Vercel, Git* — July 2025 – Present
- Helped users find places to eat by developing a React web-app that makes a places API search and displays results
- Made Place Details API calls to a polished profile page that displayed a restaurants information such as, hours, address, reviews, etc.
- Deployed the app using Vercel and git version control

Loaner Vehicle System | *Wordpress, Elementor Pro, JQuery, Google Sheets* — Feb 2024 – May 2024
- Wordpress form that allowed people to take out and return loaner vehicles for a local auto shop.
- Forms were accesible via QR code, asked the customer a variety of questions, then sent their responses to a Google Sheets for logging.
- Form had a required signature form as well as generated a PDF for the contract that was then sent to the customer's email for confirmation.

EXPERIENCE

Software Developer Intern — May. 2024 – Aug 2024
Chicago Tire and Auto — *Burbank, IL*
- Developed web application using WordPress, Google Apps Script, and JQuery technologies.
- Collaborated effectively with client about feature requirements and implementation.
- Streamlined the checkout process for 5 customers a day for 6 months, reduced manual labor, and enhanced data logging

Package Handler — Aug. 2022 – Present
UPS - United Parcel Service — *Hodgkins, IL*
- Efficiently loaded and unloaded packages in a fast-paced logistics environment
- Effectively kept packages sorted and organized between trailers
- Held the responsibility of sorting and loading bulk packages within the dock

TECHNICAL SKILLS

Languages: C/C++, Java, JavaScript, HTML/CSS, Python, SQL
Frameworks: React, Node.js, WordPress, FastAPI
Developer Tools: UNIX, Git, VS Code, Visual Studio, Vercel