

# Ramon Alberto Gomez Urquidez

<https://github.com/gomezramon2004>

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## EDUCATION

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### Instituto Tecnológico de Estudios Superiores de Monterrey

B.S. in Computer Science and Technology Engineering

Cumulative GPA: 4.0/4.0

Relevant Coursework: Software Development and Engineering, Cybersecurity, Data Structures, Design Patterns, Artificial Intelligence, Machine Learning, Cloud Computing, Network Infrastructure, Operating Systems, Web Design, Full Stack

Hermosillo, SON, MX

Expected Jun 2026

## WORK EXPERIENCE

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### ENCORA INC.

Full Stack Engineer

Hermosillo, SON

Mar 2024 – May 2024

- Led the refactoring of the Talent Management System, enhancing its structure and developing a new web app, resulting in a 200% increase in efficiency and user satisfaction across the company.
- Implemented the PERN Full Stack, utilizing expertise in Typescript, Figma, Git, Postman, Firebase, and the React-Bootstrap Library to achieve scalability, ease of use, reduced development time, and improved performance metrics.

## PROJECTS

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**PERSONAL WEBSITE:** <https://gomezramon2004.github.io>

(for additional information and projects)

### SMART URBAN GARDEN

Ago 2023 – Nov 2023

- Developed an automated urban garden system, measured by reducing manual labor to zero,
- Integrated Socket TCP/IP programming for seamless communication and data transfer. Utilized proficiency knowledge in Grafana, InfluxDB, and Node for enhanced versatility in a cloud environment and complete data transparency.

### MOBILE PLATFORM FOR SMALL AND MEDIUM-SIZED BUSINESS

Oct 2023

- Created a mobile platform for SMBs, improving resource management, leading to a 42% increase in daily orders processed.
- Leveraged React Native for mobile app development and Firebase for cloud integration, streamlining the process and ensuring rapid deployment of a robust solution.

### IMAGE TO SOUND SYSTEM CONVERTER

Sep 2023

- Translated videos into musical compositions, measured by real-time performances, through the development of a robust backend system protocol capable of recognizing parameters for each frame.
- Submitted and congratulated by the scientists and engineers in the NASA Space Apps Challenge.

### GROCERY IMAGE RECOGNITION FOR CREATE RECIPES

Sep 2023

- Accomplished accurate grocery recognition in fridge images by AI model accuracy, achieving a 73% accuracy rate.
- Implemented the Flask framework and integrated it seamlessly with the OpenAI API, earning commendation from the local community during HackMTY and having appropriate feedback.

### SUSTAINABLE APPLICATION INTEGRATED WITH GEOLOCATION

Dec 2022 – Feb 2023

- Accomplished seamless integration of geolocation technologies to create a sustainable application for tracking garbage on the coasts, which led to a 90% accuracy rate in tracking capabilities.
- Applied skills in React, Flask, and OpenLayers API to develop a robust system supporting geo-tracking functionalities.

## ADDITIONAL

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**Technical Skills:** Proficient in HTML/CSS, Javascript, Typescript, React, Bootstrap, Express, Flask, PostgreSQL, Vite, Postman, Google Cloud, Firebase, Grafana, InfluxDB, C, C++, Python, Numpy, TensorFlow, Pandas, R, Matlab, Git, Bash Scripting, Figma. Familiar with Tailwind, NextJS, NestJS, MongoDB, Electron, Docker, Rust.

**Languages:** Fluent in Spanish, and English. Conversational Proficiency in German.

**Certifications & Training:** Google Cloud Computing Foundations, Full Stack Career Path (Codecademy), Master C++ Programming (GeeksForGeeks).

**Awards:** Lideres del Mañana - Ninth Gen. Won a nationwide 100% scholarship to study in the Top 1 Best University in Mexico, case competition out of 20000+ participants.