

Emiliano Garcia Ramos

Mexico, Mexico | +525540240698 | emilianogarram2910@gmail.com
[linkedin.com/in/emiliano-garcia-ba4254323](https://www.linkedin.com/in/emiliano-garcia-ba4254323)
<https://github.com/urnice1111>
<https://emilianodev.dev>

EDUCATION

Tecnológico de Monterrey, Campus CEM (ITESM)
BS in Computer Science and Technology: 5th Semester

Mexico, Mexico
June 2028

SKILLS

Programming Languages: Swift(Intermediate), Python(Intermediate), C++(Intermediate), MATLAB(Intermediate), Javascript(Intermediate), SQL (Beginner), C# (Intermediate), Go (Beginner)

Softwares: Github, MATLAB, git, XCode, Figma, Visual Studio Code, VisionOS, iOS, Unity

Soft Skills: Logical-Mathematical thinking, teamwork, adaptability, leadership

Languages: Spanish(Native), English(B2), Japanese (Basic)

Concepts: Artificial Intelligence, Machine learning, App development, LLM, Web Development, React, Next.js, APIs, Azure, AR/VR, AWS, Express.js, Linear Algebra, Competitive Programming

MAJOR PROJECTS

Full Stack Developer – Gamified Educational Platform for a Mexican Foundation

Designed and delivered an end-to-end educational platform that integrates a Unity and C# mental math game into a web experience. Built the backend and infrastructure using AWS Lambda, RDS, and S3, implementing user management, quick actions, usage metrics, and web hosting for the foundation's website and embedded game.

Weather Station - IoT

I developed an end-to-end meteorological monitoring solution powered by an ESP32 and three environmental sensors, capturing air quality, temperature, humidity, and pressure. Data is packaged as JSON and transmitted through a custom API to Azure Event Hubs, then persisted in a MySQL database (phpMyAdmin). I built a React dashboard that refreshes at scheduled intervals to display live and historical trends, and a Swift iOS app that delivers the same insights on mobile.

Real Expense Prediction Using Machine Learning

Developed a machine learning project in Python using Pandas and Scikit-learn to predict my actual expenses. The dataset consisted of expense records I logged throughout the semester. Focused on data analysis, cleaning, and modeling to prepare the dataset and improve the accuracy of the predictions. This project provided hands-on experience in managing real-world data and applying predictive techniques to personal finance.

LEADERSHIP EXPERIENCE

President of Swift Oriented Student Group - iTec

February 2025-Actualy

Lead and coordinate a student group focused on learning and promoting Swift development. Organize workshops, Hackathons, and collaborative projects to help members strengthen their iOS programming skills. Represent the group in intercollegiate events and work with faculty to integrate Swift into student innovation initiatives.

MIT Reality Hack 2026 – Winner (Philipp Neuhaus Sustainability Track & Agog Track)

January 2026

Developed TierSpace for Apple Vision Pro, a collaborative XR guessing game that turns subjective opinions into 3D coordinates across multiple axes to promote dialogue and reflection. Demonstrated sustainability applications by enabling players to compare choices through tradeoffs like speed, cost, and carbon emissions. Awarded two tracks: Philip Niehaus Sustainability and Agog.

HackHarvard 2025 – Best Use of ElevenLabs Winner

October 2025

Co-developed Lingua Spatial, an AR language immersion app for Apple Vision Pro that identifies real-world objects and displays their names in Nahuatl using AI-generated translations and speech. Led the Swift development, implementing ARKit and RealityKit for spatial interaction, managing audio buffers for ElevenLabs, and integrating Gemini API responses within the 3D environment.

Swift Challenge Fest – Vision Pro Track Winner

June 2025

Won third place in the Vision Pro track at Swift Challenge Fest (organized by SwiftTec). Created an educational AR app for users with motor disabilities to explore topics like medicine, biology, and circuits using 3D models and gamification. Strengthened skills in ARKit, RealityKit, SwiftUI, and visionOS.