Ian Hernández Hernández
Software engineer / Computer Science Student

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EDUCATION

B.S. in Computer Science and Technology

Querétaro, México
Expected Graduation: May 2027

- **GPA:** 4.0
- **Related Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture and Embedded Systems, Engineering for Software and Systems,
- **Awards:** Academic Excellence Scholarship

EXPERIENCE

Web Developer

Tandem Marketing Agency
January 2025 - Present

- Contributed to the development of web applications for each client of the digital marketing agency, reducing website delivery times by 40%
- The redesign of websites and landing pages played a key role in the funnel process, helping client companies increase their potential customers and sales by 20%
- Collaborated effectively in cross-functional teams to align technical solutions with marketing objectives

Web/chatbot Developer and Designer
June 2024 - June 2025

Tecnológico de Monterrey CVDP Department

- Contributed to the development of the Tec de Monterrey institutional website, specifically for the Career Development and Professional Linkage Center. This platform connected companies with graduating students, offering CV guidance, interview simulations, appointment scheduling, and resources for their transition into the workforce.
- Additionally, I developed an AI chatbot using **OpenAI's API** to streamline and simplify the job search process for students.
- These tools helped **increase** the employability index of Campus Querétaro by **10%** at the national level.

PROJECTS

Nuclea HRMS App
April 2025

- My team developed a Human Resource Management System to streamline workflow, organize workloads, improve employee management, and support one-on-one meetings to evaluate performance and use that data to drive better decision-making within the Nuclea company. Technologies used included JavaScript, Node.js, MySql, Express and AWS.

Virgin Group App
March 2025

- This was an app developed during the Start Global Hackathon for one of the seven international companies (case partners) that sponsored the event in Switzerland. We helped create an app for both administrators and clients of the Virgin Group, specifically to improve the management of the social impact departments within each of the Virgin Group's sub-companies. The goal was create an app that centralize information about where resources were being allocated for each project, while also building an app to create a community among the clients of each sub-company—an all-in-one integrated system.

AI Chatbot
February 2025

- Developed an AI chatbot assistant for the the Career Development and Professional Linkage Center at "Tecnológico de Monterrey Campus Querétaro" to help students with their job search. This tool was configured on Meta servers to be deployed on WhatsApp, consuming the **OpenAI API.** Technologies used included TypeScript, Node.js, and Express.

IoT Project
November 2024

- IoT project, web page programmed with **Express JS and connected to a MySQL database** for user authentication and password encryption. This application receives information from electromagnetic pulse sensors and GPS to send it to a cloud database **(Ubidots)** with the possibility of saving it in the local database.

AWARDS

Start Global Hack in Swizterland – Third place
April 2025

- Represented Mexico on a global stage after winning the national hackathon.
- Collaborated with international participants from Germany, China, and India
- Networked with investors and gained valuable knowledge from other projects and startups.
- Although we placed third with our case partner, we returned proud and enriched with valuable knowledge.

Hack the Present Hackathon – Second place
January 2025

- Host by Queretaro Senator Agustín Dorantes and Sustainable Development Director Marco A. Del Prete
- Developed "V-key", a virtual laser keyboard using AI for sentence prediction and specifically designed sounds for people with visual disabilities.

Fintech 4All Hackathon – First place, awarded entry to World Hackathon in Switzerland.
November 2024

- Awarded entry to World Hackathon in Switzerland
- Developed an app using blockchain technology to provide micro-credits to students without credit history
- Created a decentralized credit scoring system based on blockchain with crowdlending functionality and financial education features

TECHNICAL SKILLS

- Programming Languages: C++, Python, SQL, JavaScript/TypeScript
- Frameworks: Node.js, React
- Developer Tools: MySQL, AWS, Google Cloud
- Data Analysis & Visualization: Excel (Advanced), Power BI
- Project Management: Agile methodologies

SOFT SKILLS

- Leadership & Team Collaboration
- Problem-solving & Critical Thinking
- Effective Communication
- Time Management & Organization
- Adaptability & Flexibility
- Creativity & Innovation