

Oliver Vázquez Lima

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B.S. in Computer Science and Technology | 5th Semester

EDUCATION

Tecnológico de Monterrey, Campus Monterrey

B.S. in Computer Science and Technology

Monterrey, NL

Expected Graduation: June 2027

EXPERIENCE & PROJECTS

TurnoMed | Pharmacy Management App

Full-Stack Developer and Security

August 2025 – October 2025

Collaborated with Clínica Nova, part of the Ternium group, to optimize the management of pharmacy shifts and counters.

- Designed and developed endpoints in **Python Flask** for shift management, counter assignment, and admin control.
- Implemented advanced security: JWT authentication, HTTPS encryption, and audits with Bandit and OWASP ZAP.
- Integrated with MSSQL database and connected the Swift frontend with the API.
- Used Gemini AI to integrate advanced artificial intelligence features into the application.

VitaNova (Awaq) | Environmental Monitoring Platform

Scrum Master and Full Stack Developer

April 2025 – June 2025

- Led the Scrum methodology, coordinating the team and supervising deliverables.
- Developed a responsive web interface and designed the MySQL database.
- Implemented REST API with **Node.js**, **Express**, and secure authentication with bcrypt.

PawHome (IoT) | Smart Home for Pet Care

IoT Developer

September 2024 – November 2024

- Designed an intelligent system with NodeMCU ESP8266 for environmental monitoring and automation.
- Integrated sensors and actuators with a MySQL database and visualized data in Looker Studio.

Streaming Service Simulation | C++ OOP Application

Lead Developer

November 2023 – December 2023

- Designed and implemented a C++ object-oriented application to simulate a streaming service.

SKILLS & LANGUAGES

Languages: Spanish (Native), English (Intermediate-Advanced)

Programming: Python, C++, JavaScript, SQL, HTML/CSS, Swift

Tools & Software: GitHub, Postman, MySQL, DB Beaver, Linux, VS Code, XCode, Figma

EXTRACURRICULAR ACTIVITIES

Society of Students in Computational Systems Engineering

Marketing Director

July 2025 – Present

- Led communication strategy and coordinated a team responsible for visual content and social media.
- Planned and promoted academic activities and student events.