

Alfredo Puentes Vargas

alfredo.puentes25@outlook.com | <https://linkedin.com/in/alfredo-puentes-vargas> | <https://github.com/AlfredooP>

EDUCATION

Instituto Tecnológico de la Laguna

B.Sc. in Computer Systems Engineering

Torreón, Coah.

Aug. 2022 – Present

Centro de Bachillerato Tecnológico, Industrial y de Servicios No. 4

Technical High School, specialization in Programming

Lerdo, Dgo.

Aug. 2019 – Jul. 2022

PROJECTS

Salud Universitaria | *HTML, CSS, PHP, Javascript, MariaDB, Figma*

Mar. 2025 – Present

- Integrated into the official website of Instituto Tecnológico de la Laguna.
- Developed a medical appointment system allowing students to book consultations with specialists.
- Collaborated through *GitHub* and was mentored by a certified Engineer from the institution.
- The software includes a homepage, student registration, login, appointment scheduling, specialist view, admin view, dynamic calendar, security validations, and responsive design.

Insight Flows | *React, NodeJS, Javascript, Gemini AI, MariaDB*

Jun. 2025

- Web application developed as a project during the local stage of *HackaTec 2025*.
- Built a software solution for inventory management, logistics, and business process automation.
- Implemented *Gemini AI* to provide users with intelligent alerts and recommended actions to streamline company and inventory management.
- Worked with relational databases to facilitate organization, search, and inventory manipulation.
- The application generates charts and projections to visually support statistical understanding.

ADDITIONAL EXPERIENCE

ICPC, Gran Premio de México. Participation in the first qualifying stage of 2024 and in all three qualifying stages of 2025.

InnovaTecNM 2025. Participation in the local stage of the *Project Contest* and in both the local and regional stages of *HackaTec*.

Volunteer Instructor. Delivered workshops on *Fundamentos de Programación* during the Jan. - Aug. 2024 semester, and on *Programación Orientada a Objetos* during the Jan. - Aug. 2025 semester, contributing to the learning of approximately 45 peers in my degree.

Programming Competitions. Participation in the *DataWeek 2025* programming contest organized by Universidad Autónoma de Coahuila and in the national programming contest *Coding Cup TecNM 2024*.

TECHNICAL SKILLS

Languages: Java, C/C++, C#, SQL, JavaScript, HTML/CSS, PHP, Bash, Assembly

Frameworks: React, NodeJS, Qt

Development Tools: Git, VS Code, Visual Studio, IntelliJ, NetBeans, Android Studio, Figma