JUAN FERNANDO VAQUERA SÁNCHEZ

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EDUCACTION

INSTITUTO TECNOLÓGICO DE LA LAGUNA   **Torreón, Coahuila, México**
Computer Systems Engineering   *September 2021 – Present*

- **GPA:** 9.5
- **Relevant Courses:** Object-Oriented Programming, Data Structures, Advanced Programming Topics, Database Workshop, Computer Graphics, Web Programming, Computer Networks, Formal Languages and Automata I.

TECHNICAL SKILLS

Languages: Java, C++, Java Script, SQL, HTML, CSS, PHP
Currently Learning: React, Python   **Tools:** Figma, Streamlit, NetBeans, QT, Visual Studio, XAMPP

PROJECTS AND EXPERIENCE

Project – Computer Lab Scheduling

2024

Developed an application using Java and SQL Server that automatically assigns classrooms based on the quality of the room and the teacher's rating. This application has improved the efficiency of classroom assignments reducing scheduling conflicts and assign classrooms fairly.

Project - Wireless Communication Between Computers Using Hamming Code and CRC

2023

Developed a Python program to facilitate client-server communication using Hamming Code and CRC. This implementation ensures error detection and correction in transmitted messages, guaranteeing data integrity.

Project - CRUD Formula 1

2023

Collaborated with a team to create an application using SQL and Java for efficient management of information related to Formula 1. This application handles aspects such as season assignments, races, and points.

Participation - HackMTY

2023

Along with three teammates, developed a prototype in one day using a Predictive Model, Python, Streamlit, and Figma. Our project focused on providing a comprehensive investment and financial management plan based on the client's interests, income, and expenses. The goal was to offer a tool that helps manage money effectively and plan for an optimal financial future.

Social Service

2024 - Present

I lead a team responsible for the maintenance and administration of the school computer lab under the mentorship of Professor Ricardo de Avila. I am in charge of assigning, guiding, and verifying tasks for each situation that arises in the lab, ensuring efficient management.

EXTRACURRICULAR ACTIVITIES

Currently participating in "Gran Premio de México ICPC 2024"
Participation in "Training Camp Mexico 2024" at Monterrey
Participation in "Gran Premio de México ICPC 2023"
Participation in "Coding Cup TecNM 2023"
Participation in "Third Edition of ITSA CONTEST Programming Competition"
Provided private programming lessons to classmates

SOFT SKILLS

I work very well in a team and adapt easily to change, always looking to learn new things. I consider myself creative and disciplined, managing stress effectively and paying great attention to detail in all the projects I undertake.

OTHER SKILLS AND INTEREST

Languages: Spanish (Native), English (Intermediate)

Interests: Formula 1, Gym, Nature, Music, Video Games, Sports