

JUAN FERNANDO VAQUERA SÁNCHEZ

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EDUCACTION

INSTITUTO TECNOLÓGICO DE LA LAGUNA

Computer Systems Engineering

Torreón, Coahuila, México

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, FullStack 1.

TECHNICAL SKILLS

Languages: Java, C++, Java Script, SQL, CSS, PHP

Currently Learning: TS, Python

Frameworks: React, NestJs

Tools: GitHub, Figma, Streamlit, , Visual Studio, XAMPP

PROJECTS AND EXPERIENCE

Project – Join Me

2024

An event management app built for iOS and Android using Expo, React, and NestJS, integrating Google Maps APIs. It addresses the problem of fragmented event organization by providing a seamless way for users to create, manage, and join events. With real-time location services and intuitive event management features, it aims to improve user engagement and participation, simplifying the process of coordinating events.

Project – VLSM Calculator

2024

Designed a web page using React and CSS that allows users to calculate the subnetting of a network address. The tool automatically calculates the subnetting for each subnetwork and includes step-by-step instructions to guide users through the process of calculating and understanding the subnetting for each network. This makes it an accessible and practical tool for users at various skill levels.

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 – Portfolio Web Page

2024

Developed a [web page](#) using React, JavaScript, and CSS, deployed on Vercel. The site is fully responsive and designed to efficiently showcase my skills, experience, and contact information. It offers a straightforward structure for easy navigation and presentation of my professional profile.

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