

Pamela Sánchez Arellano

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EDUCATION

Tecnológico de Monterrey (ITESM)

August 2022 – June 2026 (expected)

B.S. in Computer Science and Technology | GPA: 96.85/100

Guadalajara, Mexico

Relevant coursework: Object-Oriented Programming, Data Structures and Algorithms, Computational Architectures, Statistical Analysis, Discrete Mathematics, Machine and Deep Learning

SKILLS

Programming Languages: C++, JavaScript, Java, Python, HTML, CSS, SQL, PHP (Basic)

Developer Tools: Git, GitHub, VS Code, MAMP

Frameworks: React, Angular

Spoken Languages: Spanish, English, German (Basic)

EXPERIENCE

Software Developer Assistance

February 2023 – June 2023

Banco de Alimentos Guadalajara

Guadalajara, Mexico

- Front-end developer for Banco de Alimentos Guadalajara's project *Club de Servicios*, a working Angular web application that connects service providers to customers promoting the employment in my community
- Developed custom reusable web components to improve the application scalability and created the contact page

Technical Support Specialist

June 2022 – December 2022

Teleperformance

Guadalajara, Mexico

- Provided technical assistance one-on-one with end user through an effective English communication regarding IT services and billing inquiries resulting in a 95% resolution rate before escalation to other departments
- Performed sales work achieving recognition as the first to successfully close a sale during training

PROJECTS

Trust Investment Coach - iOS app | JavaScript, Python, Node.js

September 2023

- Developed an investment coach iOS application on React Native for *Banorte* that aims to make investment access more equitable which can be seamlessly integrated into the bank's mobile application during HackMty Hackathon
- Adapted OpenAI and a real-time database to generate a chat bot and provide personalized investment counseling

Parking Control - iOS app | JavaScript, Arduino

September 2023

- Created a smart parking lot iOS application using React Native that showcase parking lot updates
- Designed and implemented ultrasonic sensors and Arduino to simulate the IoT device, integrating it with a real-time Firebase database for instant vehicle detection and map view screen updates on the app

Machine Learning Prototype | Python

March 2023

- Built an unsupervised learning model using K-means to cluster and analyze data and tested it clustering digits using the sklearn library resulting in a 95% correct cluster than traditional unsupervised learning models

VOLUNTEERING

Women for the Future | Vice president

February 2023 – Present

- Co-lead the organization of a region-wide Women for the Future bootcamp, fostering networking opportunities for over 70 women in STEM across the western region held on my university campus in June 2023
- Orchestrating workshops, conferences and events throughout the academic year to foster skill development and promote ongoing learning, with the goal of building a strong community of women in STEM at my university

Patrones Hermosos | Teacher Facilitator

June 2023

- Provided personalized assistance and guidance to the girls, facilitating their comprehension of fundamental programming concepts and logical reasoning during the *Patrones Hermosos* 2023 edition

AWARDS AND HONORS

3rd Place HackMty Hackathon

September 2023

- Outstanding participation in the Banorte Challenge during HackMty, national hackathon held in Monterrey, Mexico