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: 96.65/100*   *Guadalajara, Mexico*

SKILLS

Programming Languages: JavaScript, TypeScript, C++, SQL, Python
Developer Tools: Git, GitHub, VS Code
Frameworks: Node.js (React JS, React Native), Remix
Spoken Languages: Spanish, English, German (Basic)

EXPERIENCE

Web developer Leader ⌾   February 2024 – Ongoing
Neotech-e   *Guadalajara, Mexico*
- Leading my university's team in the prestigious iGEM competition, the world's largest synthetic biology contest
- Spearheading a multidisciplinary team to develop an impressive wiki to elevate our presence in the competition
- Designing and building the architecture of the website, employing React and TypeScript for the front-end

Cybersecurity Intern   June 2024 – Ongoing
Echelon Risk + Cyber   *Remote*
- Collaborating with Defensive Security team members to conduct vulnerability assessments, offering actionable recommendations and remediation strategies to mitigate critical security gaps for various clients
- Performing internal security assessments to ensure regulatory compliance and enhance overall security posture

PROJECTS

RamenAI — Web Application | *Python* ⌾   June 2024
- Developed a Docker-containerized chatbot for ramen enthusiasts, offering personalized recommendations and recipes based on user preferences and conversation history on Flask leveraging OpenAI
- Implemented OAuth authentication and a SQL database for user management, storing chat history in MongoDB

Learn-IA — Web Application | *JavaScript* ⌾   March 2024 – June 2024
- Integrated university course content into a structured web platform developed on Remix, outlining essential topics, recommendations, and personalized roadmaps, enabling students to track progress and advance their learning
- Utilized OpenAI to generate and grade quizzes, providing personalized feedback to address areas of opportunity

Network Design and Integration Project | *Cisco commands*   February 2024 – March 2024
- Designed and configured a new local network into the current network infrastructure of the residential building of Tecnológico de Monterrey campus Guadalajara, guaranteeing the continuity of operations
- Implemented the proposal in Cisco Packet Tracer, obtaining recognition as the best engineering solution

Trust Investment Coach - iOS app | *JavaScript* ⌾   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

VOLUNTEERING

Women for the Future | **President** ▣   February 2023 – Ongoing
- 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

AWARDS AND HONORS

GitHub Campus Expert   April 2024 - Ongoing
- Student leadership initiative cultivating a strong technical community and inclusive learning spaces on campus

3rd Place HackMty   September 2023
- Distinguished participation in the *Banorte Challenge* during HackMty, the largest student hackathon in Mexico