

Santiago Martínez Vallejo



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EDUCATION

Tecnológico de Monterrey – Monterrey, Nuevo León, México

Aug 2021 – June 2025

B.S. Computer Science and Technology

Overall GPA: 3.7/4.0

- **Concentration/Track(s):** Software Development and Design

Relevant Coursework:

Completed: Programming with Python, Object Oriented Programming with C++, Data Structures and Fundamental Algorithms, Discrete Math, Theory of Computation, Assembly Language, Relational Databases using MySQL, Arduino IoT Projects, HTML, CSS, JavaScript, Web Development, React, API Design, Full Stack Projects, Device Interconnection with Cisco Packet Tracer, Mobile Development with Kotlin

Currently enrolled in: Multi-agent systems modeling with Python

EXPERIENCE & LEADERSHIP

Schneider Electric | IT Data Domain Intern

June 2023 – Dec 2023

- Translated business processes into data flow diagrams and data sets for analysis, using robust dashboards and visualizations. Reviewed data discovery, profiling, and ensured data quality, using tools such as Collibra, Informatica, Excel and Pandas. Validated 100% of IT Support and End-User Assets company domains

Mobile Development Social Concentration | Kotlin, Swift, API Design

Present

- Social project to develop an Android and IOS mobile app to guide Monterrey citizens and provide them help in different social problematics

PROJECTS

Frisa APP | Mobile Application with Kotlin, API Design, Figma

Aug 2023 – Oct 2023

- Developed a catalogue like Android app to provide a list of social organizations, and allow users to connect and seek help

Personal Webpage | Web Development Fundamentals

May 2023 – June 2023

- Designed and developed my webpage to serve as a space for showcasing my skills, blogging and writing about my life

Blog App | MongoDB, Express, React, Node.js, Tkinter

Oct 2023 – Present

- App where users can register, and post blog cards with real time updates, account management functionalities and multiple API integrations

University Survey Webpage | PHP, HTML, CSS, C#, Unity, MySQL

March 2023 – June 2023

- Interactive web page for my university's student annual survey seeking to increase student participation

Arduino Connected to Cloud | Arduino, Firebase, MySQL

Sep 2022 – Dec 2022

- Sensor connected to cloud with Firebase, could be activated or deactivated through a webpage and assistant Alexa. Sensor's activity was stored in MySQL

SKILLS

Languages: Fluent in Spanish and English, Beginner Proficiency in French

Programming Languages: Python, Kotlin, and JavaScript, Comfortable with SQL, HTML, CSS, C++, and PHP

Frameworks/Packages and Dev Tools: React, Node.js, Git Version Control