Diego Valencia Moreno
Engineering Student

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PROFILE

I'm a second-year software engineering student with a strong passion for web and software development. I enjoy challenging myself through various tasks and am constantly seeking to learn something new each day while solving them.

PROFESSIONAL EXPERIENCE

Dance academy website May 2023 - June 2023
Web developer

To create this page, I used various tools and technologies. I used Figma to design the site's prototype, HTML and CSS to establish its structure and style, and incorporated **Javascript** to add animations and dynamism. Furthermore, I implemented SEO strategies to enhance visibility on search engines and utilized an API to manage contact data.

Movie search engine April 2023 - May 2023
Software developer

During two weeks I developed a video management application in **C++** that can read and process data from movie and TV series CSV files. The application offers search, rating, and data storage features, coupled with an intuitive user interface.

Neural network August 2022 - September 2022
Software developer

I used **Python** to create a pattern recognition program that compares a user-input matrix with five reference patterns. The program determines the vowel associated with the most similar reference pattern and displays the result. I implemented functions for list comparison and matrix manipulation to enhance recognition efficiency.

EDUCATION

Software engineer, Instituto Tecnológico y de Estudios Superiores de Monterrey August 2022 - June 2026
My education covers a wide range of subjects that have prepared me to tackle complex technological challenges and real-world projects. Notable courses include Data Science for Decision Making, Computational Thinking for Engineering, **Object-Oriented Programming**, **Implementation of internet of things** and **Programming fundamental data structures and algorithms**.

COURSES

ONE - Oracle Next Education November 2022 - June 2023
Throughout the course, I developed the front-end of web pages using HTML and CSS, gained skills in version control with Git and GitHub, and then shifted my focus to the back-end development of websites using **Java** and databases with MySQL. I also enhanced my soft skills, such as organization and **team management**, with experience in agile and waterfall methodologies.

Node Js First Steps September 2023 - October 2023
I gained experience in variable declaration and naming. Furthermore, I mastered program flow control with conditionals and loops, and developed a solid understanding of data types in JavaScript, enabling me to work effectively in information manipulation within the web environment.

Node Js October 2023 - Present
Currently, I am covering the fundamentals of Node.js, package management with npm, creating web servers, database management, routing, security, and real-time application deployment.

SKILLS

Python, JavaScript, C++, Java, Team management, **networks and relationships,** Node.js, MySQL, Git, Github, CSS, HTML, Object-Oriented Programming, Figma, SEO optimization and API management.

LANGUAGES

English B2, Spanish.