

Miguel Angel Pedraza Aguilar

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)

Bachelor of Science in Computer Science and Technology Engineering

August 2020 – June 2024 (On going)

GPA

97/100

SKILLS

Programming Languages: JavaScript (Proficient), Python (Proficient), HTML (Proficient), CSS (Proficient), C++ (Familiar), Swift (Familiar), SQL (Familiar), MongoDB (Familiar)

Frameworks/Libraries: React (Proficient), Next.js (Familiar), Express.js (Familiar), Bootstrap (Familiar), Tailwind (Familiar)

Developer Tools: VSCode, Xcode, Unity, Github, Git, Arduino IDE

PROJECTS

Online Shop (Personal Project)

- **Developed** a responsive **online shop** web application using vanilla **HTML, CSS, JS** for the **front-end**, using **Node** with **Express.js** for the **back-end** and **MongoDB** as my **database**. This project helped me put into practice everything I've learned in my courses to become a **full stack** developer. Jan 2023 – Jan 2023

Pocket-Garden (School Group Project)

- **Completed entire development** of a **mobile application** using **Swift** in which we displayed information collected through **sensors** connected to **NodeMCUs**, sent to our real-time **Firebase** database, and retrieved for our application. Enabling an easy and simple way to monitor our little greenhouse. Aug 2021 – Dec 2021

WORK EXPERIENCE

Front-end developer, Temp Project

- **Developing and designing** the user interface of a **web application** using **Next.js** in which we seek to **simplify and facilitate the process of distribution of treated water** for **Agua y Drenaje**, the autonomous organization of the Government of the State of Nuevo León May 2023 - Present

Web developer intern, Akevia

- **Developed** and provided **maintenance** to websites of various clients to **improve their sales, reach**, among other things. For this I used **HTML, CSS, JavaScript** and **PHP** to **create editable templates** with the **wordpress CMS** so that clients can perform certain actions on their own and optimize deployment. Jan 2023 – Apr 2023

Freelancing, Website Development

- **Designed and developed** a **responsive website** for a small business in my city. I used **Figma** to design the website and developed the entire website with vanilla **HTML, CSS and JavaScript** and was deployed using **Netlify** until the client buys a domain. Nov 2022 – Nov 2022

Course, 100 Days of Code - 2022 Web Development Bootcamp

- Course to learn everything about **web development** including the best management of **front end** and **back end** with **NodeJS**, hosting and deployment, databases using **SQL** and **NoSQL** like **MongoDB**, security, authentication, and how to work with **services** and **APIs**. Apr 2022 – Feb 2023

AWARDS AND LEADERSHIP

- 2nd place winners designing University's Mobile Application (MiTec) Feb 2022 – Mar 2022
- Participant ICPC Competitive Programming Aug 2021 – Oct 2021
- Participant of Top Teen Programmer 2020 – Oracle CUP Oct 2020 – Oct 2020
- Exchange student in F+U Academy of Languages, Heidelberg Germany. Summer 2019 May 2019 – Jun 2019