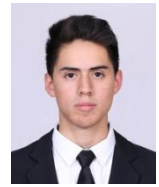


Armando Montaña González



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| <https://github.com/ArmandoMG> | Microsoft Learn Student Ambassador

OBJECTIVE

I am a passionate learner aiming to improve education, environment and security causing a good social impact, not only in Mexico, but throughout the world using Computer Science and technology and always following values like Respect, Honesty, and Solidarity. I believe technology and data is the best way to help humanity to solve our problems.

SKILLS

- Bilingual: Spanish(native), English(proficient)
- C++
- Python
- Scheme/Racket
- MATLAB
- Excel
- Machine Learning
- HTML5
- Arduino
- Assembly Language
- Data Analysis
- Teamwork
- Leadership
- Problem Solving
- Critical Thinking
- Azure
- Javascript
- Bash

WORK EXPERIENCE

PATIO 23 | BACKEND ENGINEER INTERN | SEP 2021 – NOW | MONTERREY, NUEVO LEON

- Worked with cross functional partners to develop and improve the backend of the website/project using GraphQL, Node.js, PostgreSQL, and Express primarily.
- Developed, designed, and improved our website/project APIs and queries
- Learned about GraphQL, Node.js, React, JavaScript, PostgreSQL, API management and development, Agile methods

EDUCATION

B.S. COMPUTER SCIENCE | AUG 2019-JUN 2023 | ITESM ("TECNOLÓGICO DE MONTERREY")



- Currently Coursing: Advanced Algorithms, multi-agent based system, Mathematics and Data science.
- Academical Talent Scholarship
- Microsoft Learn Student Ambassador, Alpha.
- GPA (0-100): 96% (Average)

HIGH SCHOOL DEGREE | JUNE 2019 | COBACH PLANTEL REFORMA

- Mathematical-Physicist
- GPA (0-100): 91

ACHIEVEMENTS/PROJECT

ZILLOW REAL STATE PRICE PREDICTION



- Data Science project where I successfully developed a Machine Learning model to predict a House Price given a certain number of features of the house and neighborhood with a 75% accuracy. Work on my GitHub (Python)
- Learned about Machine Learning, Web Scraping, EDAs, Productionization, Data Cleaning, Statistics, APIs

INTERNET OF THINGS WITH ENVIRONMENTAL DATA



- My team and I designed and implemented a prototype of a digital system capable of obtaining real physical environmental data using sensors, processing the data, and depositing them as information on an internet platform with a database, for subsequent analysis and visualization. The use of unnecessary energy was reduced by 5%.
- Learned about Arduino, Proteus, IoT, Distributed Systems, MySQL, Data Analysis, project management.

WEB ACADEMY



- My team and I designed and implemented a fully functional website with an embedded videogame using React and Azure with the objective to increment productivity and interest on new workers. I successfully developed: a full database using Azure, and Fullstack development (With react and node.js).
- Learned about Azure, Azure DB studio, Fullstack development, MySQL, Data Analysis, API, project management.

XIX BASIC NATURAL AND ECONOMIC SCIENCE CONTEST RECOGNITION



- Recognition for my outstanding performance in the XIX Basic Science Contest at Instituto Tecnológico de Hermosillo (ITH)

L PHYSICS AND MATHEMATICS “ANTONIO JAUREGUI” CONTEST RECOGNITION



- Recognition for my participation in the L Physics and Mathematics “Antonio Jauregui” Contest at the University of Sonora.

INTERESTS

AI / Machine Learning / Mathematics / Distributed Systems / Embedded Systems / Data Science and Analytics / DevOps / Software Engineering / Full stack Development / Finance / Alternative and Renewable Energy sources / Physics & Astrophysics / Reading / Music / Humanity and Solidarity / Entrepreneurship / Education / Chess