ALDO BERÁIN CÁRDENAS

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EDUCATION

2019-Present	Tecnológico de Monterrey, Software Engineer Developer, Monterrey, México Expected graduation May 2023
2016-2019	Instituto Bilingüe El Roble, Ciudad Acuña Coahuila, México, Highschool Awarded with a diploma for being the student with the highest GPA of my generation

EXPERIENCE

September 2021 — Created an agent-based model simulating an intersection which goal was to reduce traffic using artificial intelligence in Python and simulate the model in Unity
- I was responsible from coding the program along with my team
- Responsible in designing the Unity model and implement to code to simulate de model from a JSON file

December 2019 — Created a program in C++ simulating an airport system to manage flights and passengers
- Used object-oriented programming knowledge like classes diagram, classes and objects and composition
- I was responsible from coding it from scratch, importing data from a text file, implementing methods and classes, debugging, and validating it

December 2019 — Participated in the ORACLE Top TEEN Programmer 2019 Cup reaching the 16th place out of 64 participants in the first round

May 2020 — Created a website using ASP.NET Core MVC and a videogame in Unity for Ternium
- I performed as a full stack developer implementing the backend for the website and designing the front end
- I created a database using MySQL and connecting to the website's backend
- Consumed data from an API to authenticate login and use data for the website

May 2020 — Created a movie streaming service model in C++ using object-oriented programming skills
- I coded the program from scratch using new learnings like inheritance, polymorphism, pointers and overloading. This program would let you know the movies and series that were available, how many Oscars they had, their respective rating etc.

March 2020 — Participated together with another 4 students to create a computational simulation of an electric field to ease malaria detection in Mathlab
- Responsible for debugging the program and modifying the code to make the visualization of the simulation look better

COMPUTER SKILLS

Operating Systems: Windows, MAC OS
Languages (from more to less skilled): C++, Python, C#, MATHLAB, R studio

LEADERSHIP, PROFESSIONAL ACTIVITIES AND AWARDS

- Awarded as an outstanding collaborator of the AECOAH (Coahuila Students Society of Tec de Monterrey).
- Experience as a coordinator and later on director in Finance and Administration area of the AECOAH
- Obtained one of the biggest sponsorships from Coahuila's State Government for the most important cultural event from Tec de Monterrey
- Certified with QPR Suicide Prevention Program
- Tecnológico de Moterrey Ambassador

GPA

University – 94.78   Highschool – 97.92

LANGUAGE

Spanish – Native language   English - advanced