Daniel Esteban Maldonado Espitia

LINKS

https://github.com/Daniel-dadu
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CONTACT INFORMATION

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EDUCATION

B. S. in Computer Science and Engineering   Cum. GPA **95 / 100**
Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Puebla, Mexico   Graduating in June 2023

High School with International Baccalaureate (IB)   Cum. GPA **92 / 100**
Greenville International School, Villahermosa, Mexico   2016 - 2019

SKILLS

PROGRAMMING LANGUAGES	TECHNOLOGIES	LANGUAGES
3 years: C++ 2 year: Python, MATLAB 6 months: Java, JavaScript, Elixir	HTML, CSS, React, Node.js, Express.js, SQL, Git, VirtualBox, Unix/Bash, Android Studio, Packet Tracer, Flask, Unity, MESA Framework	Spanish (native), English (B2)

PROJECTS

Forum for Academic Website   February 2021 – April 2021
Academic forum for solving students doubts
- This section of a webpage allowed people to either ask or answer any of the multiple questions that are posted publically in this forum, which are also divided by categories.
- The frontend, which is the part I worked the most on, was implemented using HTML, CSS and JavaScript (no framework).
- The backend was implemented as a REST API based on Node.js, Express.js and MySQL.

Estambre   August 2021 – October 2021
Android App that helps kids with ADHD
- Mobile application develop as a team project designed to support children with ADHD through mini-games that improve their concentration and memory.
- It was developed in Android Studio, using Java as the core programming language.

3D car intersection simulation   October 2021 – December 2021
Multy-agent system simulation in Unity
- 3D simulation of a set of cars and pedestrians representing agents which cross a perpendicular intersection in 4 different directions: North, South, East and West.
- The frontend was developed using 3D Unity objects to represent the cars, pedestrians and environment.
- The backend was implemented using Flask, for de REST API, and MESA agent-based modeling framework, for the behavior of the multiple agents in the simulation.

YouTube Channel   2016 - Now
Sharing my knowledge of technology through videos.
- I post videos on YouTube about various technology tutorials, as well as unboxings.
- Through this experience I have also been able to learn to edit videos and produce music in FL studio.
- Link: https://www.youtube.com/c/D94DaduPro

ACCOMPLISHMENTS

Tecbytes' internships department leader
Currently I lead this department in which we support students with the desire to get an internship at a big company by solving coding exercises and doing mock interviews. Tecbytes is a student group at my university focused on learning about software.

International Baccalaureate (IB) Diploma
I studied for the last two years of High School and obtained the IB diploma in the subjects of Mathematics, English, Biology, History and Arts. Also, obtained the highest score (A) in the Extended Essay required to obtain the diploma.

Mexican Math Olympiad (OMM)
I participated in the most recognized mathematics Olympiad in Mexico, staying in the regional stage in both 2017 and 2018.