

Sebastian Burgos Alanis

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🔗 <https://github.com/A01746459>

PROFILE

I seek to excel in technological development, lead teams, and leave a mark with my work and creativity. I greatly enjoy learning and facing new challenges.

Outside of my professional endeavors, I've pursued a passion for tennis and ping pong since my youth.

Proficient in **English** at the **B2** level.

EDUCATION

B.S in Computer Science and Technology

2020 - 06/2024 | Edo Mex

Instituto Tecnológico y de Estudios Superiores de Monterrey

Concentration in Advanced Artificial Intelligence for Data Science.

Cumulative Average: 92.69/100

PROFESSIONAL EXPERIENCE

Conversiones Flora S.A. de C.V.

08/2022 - present | Mexico

Director of Administration and Software Development

My responsibilities include managing half administrative operations within the enterprise while simultaneously leading the Software Development team. In my role, I spearhead the digital transformation efforts and manage accounting functions.

Recubrimientos Alanis S.A. de C.V.

01/2021 - 08/2022 | Mexico

Direction's Assistant

Family-owned company dedicated to the manufacturing, alignment, grinding, balancing, and coating of rollers for the paper, textile, steel, printing industries, and others. My role was to observe, review, and confirm quality standards, production metrics, financial and administrative indicators to identify deviations and root causes.

PROJECTS

Multi-Agent Systems Modeling

2022

We developed a multi-agent system in Python using the Mesa library. In this system, we designed a city including traffic lights and vehicles represented as automata. Furthermore, we implemented a navigation system embedded in each vehicle, akin to Waze, utilizing the Dijkstra algorithm. The simulation was conducted in Unity within a three-dimensional environment and backend hosted on Flask.

No-Linger

2023

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A Serverless mobile application was developed using React Native, employing Artificial Intelligence to recognize potato chip bags on a shelf through photographs. The AI implementation was built using technologies such as SkLearn and Keras, among others. My involvement included contributing to the development of the AI model and designing the front-end of the application.

ArabaMarket

2023

NDS Cognitive Labs

In this project, we created an innovative web platform using a diverse set of technologies such as AWS, GCP, and Flask. We adopted React.js for the front-end and Node.js for the back-end, managing the database with MongoDB. My primary focus was on the back-end development, establishing routes and connections with the database to display real-time auctions with comprehensive car details. Additionally, I played an essential role in designing the business model. Although my primary focus was on the back-end, I also made significant contributions to the front-end, optimizing processes, and improving designs.

SOFTWARE SKILLS

Python

Flask

React

Node.js

Mongo DB

Next.js

Tailwind

C++