

EDUCATION

Universidad Nacional Autónoma de México
Bachelor of Science in Applied Mathematics and Computer Science

August 2018 - June 2022
Mexico City

WORK EXPERIENCE

Full Stack Developer - [Oracle \(Real Time Health Systems\)](#)

October 2023 - present

Collaborate with cross-functional teams to design, develop, deploy and maintain real-time healthcare applications that provide useful tools and interfaces for healthcare professionals and administrators.

Applications Developer - [Oracle \(Fusion Financials Receivables\)](#)

July 2022 - October 2023

Resolved critical bugs in the receivables module of [Fusion Financials](#), ensuring timely issue resolution and preventing potential financial disruptions for clients. Applied strong code analysis skills and leveraged accounting knowledge to collaboratively address complex issues and enhance overall system stability.

Additionally, actively contributed to the team's productivity by implementing a set of tools designed to improve efficiency in the debugging process.

Junior Software Developer - [Auronix](#)

January 2022 - June 2022

Contributed to a multi-team effort to deliver features and constant improvements to the performance, code quality and test coverage of the core back-end services. Played a key role in re-implementing the Twitter API and contributed to the successful implementation of an auto-scaling, docker-based, micro-services oriented restructuring of the back-end services.

Tech & Product Intern - [Auronix](#)

June 2021 - December 2021

Led the creation of a new communication channel (Slack) for the platform, demonstrating strong collaborative and problem-solving skills within a very small intern team.

PROJECTS AND CONTRIBUTIONS

Full list of my projects and open source contributions at my [website](#).

- **[ZofIA, Learning Platform](#)** (Rust/React)
A specialized educational platform geared towards assisting students in their preparation for the admission exam at the most prestigious university in Mexico. Grew by [20k Instagram](#) followers in first month after launch and has around 1k daily users.
- **[Lux, A Programming Language](#)** (Rust)
An implementation of a fully featured dynamically typed language and his interpreter, with a particular focus on error messages. Try the [wasm](#) repl [here](#).
- **[GrafosOptimizacion](#)** (Go/TypeScript)
A website aimed at helping students to better understand some common graph algorithms by providing an interactive and visual way of solving them.
- **[FIRE, A Text Editor](#)** (C)
A fast terminal modal File Reader and Editor written completely in modern C, without using external dependencies.

TECHNOLOGIES

- **Programming** (Years of experience)
Python(5), Rust(5), JavaScript/TypeScript(4), Go(2), C/C++(2), Java(2), React(0.5), Ruby(0.5)
- **Others**
Linux, SQL(Oracle, PostgreSQL, SQLite), Redis, Git/GitHub, Docker

AWARDS

- 7° place, ACM-ICPC Masters México 2023
- 1° place, Google @ UNAM 2021
- 8° place, Facebook Spanish Hack 2021 (Latin America)
- [3° place](#), 15° National Programming Contest ANIEI
- [Top 5%](#), ACM-ICPC Grand Prize of Mexico 2020