

EDUCATION

Universidad Nacional Autónoma de México

Bachelor of Science in Applied Mathematics and Computer Science

August 2018 - June 2022

Mexico City

Sistemedic

Emergency Medical Technician

October 2017 - November 2019

Mexico City

WORK EXPERIENCE

Oracle

Applications Developer

July 2022 - present

Guadalajara, Jalisco

I am mainly responsible for fixing bugs in the receivables module of [Fusion Financials](#), this includes working closely with a team of developers and support engineers to ensure that all bugs are resolved in a timely and effective manner to unblock customers from potentially catastrophic financial issues. This involves having very good code analysis skills, as well as good basic knowledge of accounting.

Auronix

Junior Software Developer

January 2022 - June 2022

Mexico City

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. My main contribution was to re-implement their Twitter API and also help implement an auto-scaling, docker-based, micro-services oriented restructuring of the back-end.

Auronix

Tech & Product Intern

June 2021 - December 2021

Mexico City

Expand the company product offering by creating a new communication channel (Slack) for their platform from scratch. This was done by only a small team of interns.

PROJECTS AND CONTRIBUTIONS

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

- [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.
- [Numerical Methods](#) (Python/Django/Heroku)
Web page where various numerical methods are explained and implemented with their respective graphical representations.

TECHNOLOGIES

- **Programming** (Years of experience)
Python(4), Rust(4), JavaScript/TypeScript(4), Go(1.5), C(2), Java(1), C#(1)
- **Others**
Linux, SQL(Oracle, PostgreSQL), Redis, Git/GitHub, Docker, GDB

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