

Mario Jiménez

COMPUTER SCIENCE STUDENT

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Work Experience

Cybersecurity intern

Jan 2020 - Jul 2020

GRUPO FINANCIERO BANORTE

Mexico City, Mexico

- Built a dashboard to help assess cybersecurity risks that affect the institution in a day-to-day basis using React
- Created several graph and hierarchy visualizations rendered by D3.js
- Developed Python scripts to clean and transform the data from Excel spreadsheets to a variety of JSON and CSV files for easier use in the web app
- Had a hands-on experience on how companies defend themselves against malware and other cyber-threats

Education

B.S. Computer Science and Technology

Aug 2018 - Exp. Dec 2022

TEC DE MONTERREY CCM

Mexico City, Mexico

- Currently in my fifth semester
- Participated as a TA on our Competitive Programming Club for a year
- Relevant courses: OOP, Data Structures, Databases, Operating Systems
- Major GPA: 96/100

Software Projects

Alvap Store Prototype

Fourth semester

A STORE PROTOTYPE WITH A REACT FRONTEND AND A EXPRESS AND SQLITE BACKEND

🌐 /MarioJim/alvap-store

- Frontend developed using Create React App with TypeScript, styled components and react-router
- Backend based on Express routes, and using a SQLite database to make it portable and self-contained
- Written in TypeScript to improve readability through type checking
- Uploaded and hosted on a Heroku server

Resume and Portfolio

Since third semester

LATEX PDF AND REACT APP COMPILED FROM THE SAME DATABASE

🌐 /MarioJim/ResumeAndPortfolio

- Wrote TypeScript packages for compiling the data to a static React website and to .tex files
- Controlled with a shell script that builds both projects starting from a fresh git clone
- Website hosted on GitHub Pages (mariojim.github.io)

Cave Dungeon

Second semester

PROCEDURALLY GENERATED RPG WRITTEN IN JAVA FX

🌐 /MarioJim/CaveDungeon

- Used Gradle to run, debug and test the game
- Implemented an algorithm to randomly generate map and room layouts
- Learned JavaFX to make a unique graphic interface

Skills

Languages	Java (proficient), JavaScript (fluent), TypeScript, Python, C++
Frameworks	React, D3.js, Express, Flutter, JavaFX, p5.js
Tools	Git, Chrome DevTools

Additional Experience and Awards

Participated in ICPC's Gran Premio de México 2019

May, September 2019

MEXICO CITY, MEXICO

- First time competing in a programming contest
- Wrote mainly C++ but also learned the basic syntax of C and Python

First place on Banorte's Challenge at HackMTY 2019

August 2019

MONTERREY, MEXICO

- Made an Android app prototype that accurately blocks phishing links and ads