

# Mario Jiménez

COMPUTER SCIENCE STUDENT

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## Work Experience

### Cybersecurity intern

Jan 2020 - Jul 2020

GRUPO FINANCIERO BANORTE

Mexico City, Mexico

- Helped build a tool to assess cybersecurity risks that affect the institution in a day to day basis
- Calculated the possible threats through vulnerability and probability analysis
- Had a hands on experience on how companies defend themselves against hackers 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 fourth semester
- Participated as a TA on our Competitive Programming Club for two semesters
- Relevant courses: OOP, Data Structures, Databases, Networks
- Major GPA: 96/100

## Software Projects

### 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

### Knocki App mockup

Summer 2019

PORT OF MY DESIGN FUNDAMENT'S FINAL PROJECT TO REACT + TYPESCRIPT

👤/MarioJim/knocki-app

- Built using Create React App and Redux
- Written in TypeScript to improve readability through type checking
- Uploaded and hosted on a Heroku server

## Skills

**Languages** Java (proficient), JavaScript (fluent), C++, TypeScript, Python  
**Frameworks** React, Flutter, JavaFX, Sass, Express, p5.js  
**Tools** Git, Maven, 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