Mario **Jiménez**
SOFTWARE ENGINEERING STUDENT

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Work Experience

Cybersecurity intern
Grupo Financiero Banorte

Jan 2020 - Jul 2020
Mexico City, Mexico

- Built and deployed a dashboard to help assess cybersecurity risks that affect the institution in a day-to-day basis
- Created several graph and hierarchy visualizations rendered with the help of React and 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 their assets against malware and other cyber-threats

Education

B.S. Computer Science and Technology
Tec de Monterrey CCM

Aug 2018 - Exp. Jul 2022
Mexico City, Mexico

- Currently in my fifth semester
- Major GPA: 96/100
- Participated as a teaching assistant on our Competitive Programming Club for a year
- Relevant coursework: Object-Oriented Programming, Data Structures, Databases, Operating Systems, Analysis and Design of Algorithms, Programming Languages, Advanced Database Systems

Software Projects

Web application for Dauverre A.C.
A WEB APP WITH SERVERLESS ARCHITECTURE USING FIREBASE

Sept - Dec 2020
⌂ /KevinTMtz/DauverreWeb

- My team and I developed an application with the objective of creating a platform where the relatives of the residents could consult reports on how the elderly were doing, in addition to publicizing the nursing home
- Frontend written in React with TypeScript, using Material-UI components and react-router-dom
- Executed concurrency and security-sensitive actions using Cloud Functions (Firebase's serverless framework)
- Took advantage of GitHub Actions to verify every pull request and also continuously deploy to Firebase's Hosting

Resume and portfolio
LaTeX PDF AND REACT APP COMPILED FROM THE SAME DATABASE

Since September 2019
⌂ /MarioJim/ResumeAndPortfolio

- Wrote TypeScript packages for compiling the data to a static React website and to a PDF document
- Encapsulated my development environment within a Docker container so that it can be easily replicated and used with Visual Studio Code and the Remote - Containers extension
- Website automatically deployed and hosted on GitHub Pages (mariojim.github.io)

Skills

Languages	JavaScript/TypeScript (proficient), Python (fluent), Java, C++, SQL (MySQL/MariaDB), Rust, Dart
Frameworks	React, Express, D3.js, Flutter, JavaFX
Tools & Platforms	Git, Docker, GitHub Actions (CI/CD), Firebase, Node.js, Heroku, Chrome DevTools

Additional Experience and Awards

Participated in ICPC's Gran Premio de México 2019
MEXICO CITY, MEXICO

May, September 2019

- Expanded my algorithms and data structures knowledge while applying it to many different problems
- Wrote mainly C++ but also learned the basics of C and Python

First place in Banorte's Challenge at HackMTY 2019
MONTERREY, MEXICO

August 2019

- Developed an Android app prototype that accurately blocks phishing links and ads
- Competed against about 100 teams in Mexico's largest student hackathon