Sara GÓMEZ

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Education

Universidad Panamericana, Campus Bonaterra   *Graduating in Aug 2024*
Artificial Intelligence Engineering
GPA 9.8/10

Work Experience

Instituto Estatal Electoral   *February 2023 - Present*
Autonomous public entity responsible for organizing and overseeing the electoral processes of Aguascalientes.
- Designed and coded and election package tracking mobile app from scratch. Analyzed and decided between different programming languages and frameworks.

Javascript, React Native, Nodejs, Express, Figma, Android Studio

Vibing Studios   *March 2022 - October 2022*
Focusing on play-and-earn games that integrate NFTs.
- Worked in back-end to sign and verify Solana and Ethereum addresses.
- Built a database with Solana and Ethereum addresses.
- Worked on the user interface of Bitmon Launcher using CSS.

Typescript, React.js, Nextjs, Tailwind CSS, SQLite, Nodejs

Kindynos   *November 2021 - February 2022*
Specialized in blockchain technology and dedicated to finding technical solutions for every need.
- Working in different areas such as smart contracts development and front/back-end services.

Go, Vue, Javascript, React.js, Node.js

Major Projects

UP Bus   *Click here to see the project*
A web application that helps students coordinate with each other so they can carpool to campus together.
- Designed and implemented a database with MongoDB.
- Developed the "forgot my password" funtionality.
- Led the team being Scrum Master throughout the project

Mongoose, CSS, SweetAlert2, Javascript, Html, React.js, Dotenv, Express, SCRUM

Images Out of Circles   *Click here to see the project*
Project that uses Differential Evolution to approximate an image with circles only.
- Implemented differential evolution algorithm from the ground up
- Defined an effective objective function and animated the results.

Python, cv2, numpy, matplotlib

ICPC Contestant
Annual programming and algorithmic competition between universities around the world
- Joined ICPC in 2020, and keep practicing in order to get better as a problem solver.

  - Main topics: data structures, graphs, sortings, searching
  - C++

Skills

Programming Languages

- C++/C ---------------- 3 years
- Python --------------- 2 years
- Typescript/Javascript---- 1 year
- Java ----------------- 1 year
- SQL------------------- 1 year
- CSS ------------------ 10 months
- Html ----------------- 10 months
- C# ------------------- 6 months

Libraries/Frameworks & Platforms

- React.js and React Native
- Github
- Node.js
- Express
- Next.js
- Unity
- Bootstrap
- Gimp
- Figma (Basic)
- Vue (Basic)
- Ionic (Basic)
- Flutter (Basic)

Operating Systems

- Windows
- Linux

Soft Skills

- Teamwork
- Resilience
- Multitasking
- Creative
- SCRUM
- Open-minded

Languages

Spanish (native)   ■ ■ ■ ■ ■
English (B2)   ■ ■ ■ ■ □

Interests

- Traveling
- Playing guitar, drums and bass
- Sketching
- Nature