

# Sara Gómez

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## EDUCATION

Specialty in Engineering and Quality of Software Projects Graduating in June 2024

*Universidad Panamericana Campus Aguascalientes*

Bachelor of Science Degree in Artificial Intelligence

*Universidad Panamericana Campus Aguascalientes*

GPA 3.7

## WORK EXPERIENCE

### Instituto Estatal Electoral de Aguascalientes

June 2023 - Present

#### Head of Department of Mobile Technologies

- Designing and implementing the PREP application to provide preliminary election results by capturing and publishing data received from the Data Collection and Transmission Centers (CATD).
- Efficiently assigned tasks and managed team's time for optimized mobile app development in the PREP (Preliminary Election Results Program) department.

*React Native, Javascript, Figma, Android Studio*

Feb. 2023 - June 2023

#### Mobile Developer

- Designed and coded an election package tracking mobile app from scratch.
- Analyzed and decided between programming languages and frameworks.

*React Native, Javascript, Figma, Android Studio*

### Vibing Studios

Mar. 2022 - Oct. 2022

#### Full Stack and Web3 Developer

- Worked in backend 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, SQLite, Node.js, Tailwind CSS*

### Kindynos

Nov. 2021 - Feb. 2022

#### Full Stack and Web3 Developer

- Worked in smart contracts development and front/backend services.

*GoLang, Vue, Javascript, React.js, Node.js*

## MAJOR PROJECTS

### Summer Research 2023 Universidad Panamericana Campus Aguascalientes

- Developing LSTM-based EEG Emotion Classifier under the direction of Prof. Ricardo Espinosa in order to participate in the International Conference on Computer Vision 2023 (ICCV)

*Pytorch, Deep Learning*

### UP Bus

- Designed and implemented a database with MongoDB.
- Led the team being Scrum Master throughout the project.

*React.js, Javascript, Mongoose, Express, SCRUM*

### Images Out of Circles

- Implemented differential evolution algorithm from the ground up.
- Defined an effective objective function and animated the results.

*Python, Cv2, Numpy, Matplotlib*

## SKILLS

Programming Languages: *C++, Python, Javascript, SQL, C#*

Libraries and Frameworks: *React, Git, Express, Node.js, Flutter, Ionic*

Operating Systems: *Windows, Linux*

Soft Skills: *Teamwork, Resilience, Multitasking, Creative, SCRUM*

Languages: *Spanish (native), English (B2)*