Vicente Javier Viera Guízar
Software Engineer

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Work Experience

RAYO
Main Web Frontend Developer and Leader

Fintech startup focused on cryptocurrency and the easy access and management of bank accounts.

- Developed application's web landing page using **Astro**, **TypeScript**, **Tailwind**, **Sass**, **CVA**, **React** and **Render**.
- Worked in the design of web's landing page UX/UI.

Projects

Brainiac
September 26, 2023 — Present
MAIN RESEARCHER AND MAIN SOFTWARE ENGINEER

Real-time **Electroencelography** signals interpreter and visualizer application research project. Represents cerebral real-time brain signals and renders the information into a 3D brain model by highlighting the active areas. It has a web version using **Vite**, **React**, **TypeScript**, and **Three.js**. It has an ongoing native desktop application using **C++** framework **Cinder**.

- Designed **User Interface**.
- Implemented principal **rendering components** and, **rendering and 3D models loading algorithms**.
- Scene logic and physics.

PowerDash
February 20, 2023
FRONTEND ENGINEER

Web-based application designed for **IBM**. Dashboard used for the administration of IBM's employees certifications. Keeps up to date the employees with the most recient and relevant courses and certificates of the industry. It handles the creation of teams based on the necesities and the employees currents certificates. Developed using the **T3 Stack: TypeScript**, **tRPC**, **Prisma**, **Next.js**, **Tailwind**, **Class-Variance-Authority** and **NextAuth**

- Developed project's **UI component library** using **Class-Variance-Authority**.
- Wrote **tRPC backend endpoints**.
- Generated frontend test using **Cypress**.

ROLAC
August 13, 2022
FRONTEND LEADER DEVELOPER

Multi-plataform mobile application created for the mexican food bank civil organization BAMX. It manages the received donations from people and parent businesses. It handles the collection and integrity of the donated food along with the quality of the carity apports. It was created using **React Native**, **Expo** and **Postgres**.

- Managed the project's frontend desing and implementation.
- Colaborated developing **Routing**, **UI Library Components** and making the final **Build up page's view**.

Technical Skills

Programming Languages: C++, PowerShell, JavaScript and TypeScript.
Web Development: HTML, CSS, React, Next, Astro, Vite, Tailwind, CVA and Three.js.
Desktop development: Cinder, Ultralight and Basic SDL OpenGL.

Technologies/Development Tools

Git, GitHub, GitHub/Projects, Visual Studio 2022, Visual Studio Code, Node.js and CMake.

Education:

Mexico, 2020 – 2024
Software Engineer
INSTITUTO DE TECNOLÓGICO ESTUDIOS SUPERIORES DE MONTERREY
Mexico, 2017 – 2020
Programming Technician
UNIVERSIDAD DEL VALLE DE ATEMAJAC

Languajes

- Spanish
- English
- French