José Ángel González Carrera

COMPUTER SCIENCE STUDENT

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SKILLS

PROGRAMMING

Fluent: Javascript, C++

Proficient: Python 3, Elixir, PHP, SQL, TypeScript

Prior experience: R, C#, Java

TECHNOLOGIES

- HTML
- CSS
- SCSS
- Figma
- Node.js
- Next.js
- React (Redux, Routing, Context API, Hooks)
- Git
- GitHub
- Firebase
- Netlify
- Android Studio

ONLINE COURSES

Coursera:
- Python Data Structures
- Data Collection and Processing with Python

Udemy:
- Build Responsive Real-World Websites with HTML and CSS
- The Complete JavaScript Course 2022: From Zero to Expert!
- React - The Complete Guide (incl Hooks, React Router, Redux)

LANGUAGES

- English (B2) / Cambridge
- Spanish (native language)

EDUCATION

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY

Tecnológico de Monterrey, campus Puebla
Accumulated GPA: 98.3/100   Aug 2020 - Jun 2024

PROJECTS

Mezcal website   *Aug 2022 - Present*
A website created with Next.js for Reserva Ancestral, a mezcal company which hired me to do the job.
- Designed from scratch a **mockup** in **Figma** of the website following my own ideas.
- Applied **responsive design** best practices to adjust the content to any device.
- Used **Firebase** services to save all the contact information that the users send on the website.
- Implemented **routing** using pages, so it can result in better performance and **SEO**.

Weather app   *Jun 2022*
A **React app** that displays the current weather and forecast for any city for the next 48 hours.
- Obtained the weather information from **Weather API**.
- Implemented city name **autocompletion** by using **GeoDB Cities API**.
- Applied **Context API** to maintain the state in all the components where is needed it.

Rule-based chatbot   *May 2022*
A chatbot developed for Naatik, an AI company to answer their most frequently asked questions.
- Created an **API** using **FastAPI** that connected with the **SQL** database.
- Implemented a **CRUD** for modifying questions and answers of the chatbot.
- Used **PHP sessions** to create a login page so only administrators can access the **CRUD**.
- Designed from scratch a character for the chatbot. Added **animations** to the character depending on the action.
- Followed the **Model-View-Controller** pattern to develop the functioning of the program.

Streaming service simulator   *June 2021*
A **C++ OOP** program that retrieves streaming service data and shows them to the users, allowing them to rate the content.
- Designed an **UML diagram** to represent the structure of the system by modeling classes, attributes, operations, and relationships between classes.
- Applied **inheritance** to the episode and movie class, so they could inherit all the attributes and methods of an abstract parent class named video.
- Used **polymorphism** to be able to handle movies and series objects in one vector.

EXTRA ACADEMIC EXPERIENCES

Peer Mentor | Academic Program   *Feb 2022 - Present*
- Member of the Peer Mentor Program, which supports freshmen students to adapt to college life.
- I'm in charge of 15 students and I help them in whatever I can, including **programming classes**.

TecBytes | Web department   *Feb 2021 - Present*
- Group in charge of developing **web projects** to achieve a significant impact inside and outside the student community.
- As a member, recently I was responsible for **designing** and implementing the distinct pages for the departments in TecBytes.

WER | Robotics tournament   *Aug 2019 - May 2020*
- High-school **robotics** team. In the regional tournament, my team won our pass to the national.
- I worked as **leader** of my team, reviewing the code and the design of our robot.