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EDUCATION

CETYS University   Graduating June 2025
B. Sc. in Software Engineering   *GPA: 9.8/10*

WORK EXPERIENCE

BAJA CODE   November 2022 - August 2023
Junior Software Engineer
- Developed a **Windows Service** and **API** to process and register data from XML files generated by an AI model into a database in order for the information to be stored and analyzed.
- Contributed to the development o a **SAS assets management web application** for a new RFID scanner on the market. The technologies used were React with Styled Components, Dotnet for the backend, and Microsoft SQL Server.

FREELANCE   March 2023 - April 2023
Designer and developer on the creation of a static web page: https://www.expatguardian.com/
- Led the development of a **web page for Expat Guardian**, a local law firm, to improve their exposure and substitute their previous website with a better designed one that satisfied the structure desired by the law firm team.
- Learned how to code up a webpage on Vite with vanilla HTML and CSS, **hosted** on Vercel and connected with a Godaddy **domain**.
- Maintained **communication**, via team meetings, with all the **stakeholders** and made the necessary corrections to design and code before deployment.

DAVIS UNIVERSITY DATA SCIENCE   December 2022 - February 2023
Data scientist assistant on a PhD project focused on filtering and cleaning data for an easier analysis on custom records
- Implemented a **python algorithm** using the Pandas library to clean US customs records on CSV files in search of used cars crossing the border since 2019. This information served as the **starting point** on a section of the research that was being conducted.
- Worked hand in hand with a **PhD** student at the University of Davis California, on **research** that evaluated the overall impact of the introduction of electric cars into the market.

MAJOR PROJECTS

OPEN MARKET   June 2023
Blockchain-based e-commerce web application revolutionizing online shopping
- Coded **smart contracts** in Rust for the future implementation of a **blockchain-based marketplace** that helps buyers gain more confidence in their online purchases by eliminating the necessity of third-party intervention.
- Awarded with an **honorable mention** (4th place) from around 25 teams that participated in the Vara Network hackathon at Mexico City.

FIND ME   November 2022
Web application that helps users reunite with their lost pets: https://find-me-phi.vercel.app/
- Composed a **map** where lost pets could be **announced** and a system of **sightings** for the community to help locate their lost animals. This was done using **Google maps' API**.
- Used Next.js, Mantine as the UI library and the T3 stack: tRPC as a backend library, and Prisma ORM to improve the developer experience.
- Winner of the regional **WE CAN CODE** hackathon hosted in Ensenada, Baja California.

CETYS ONE   February 2022 - June 2022
E-commerce app for the fast delivery and centralization of all the food services in CETYS University
- Developed with **React Native** and used Native-base as the UI Library. It included **animations**, UI that was liked by most of the users, and a completely functional **order administration** system.
- Implemented backend using a **RESTful API** based on Node.js, Express.js, MongoDB and Strapi CMS.
- Awarded with **first place** at CETYS Expo Engineering Fair out of around 10 teams that participated in our category.

SKILLS

PROGRAMMING LANGUAGES
Proficients: JavaScript / TypeScript
Familiar: C#, Java, Python
Principiant: Rust

TECHNOLOGIES
React, Tailwind, Node.js, Express, Git, Github, Insomnia, MongoDB (NoSQL), MySQL, Vs code, HTML, CSS, Linux, React router, Axios, Nodemon, Dotnet, Nest, Rust, Vite

AWARDS
Gold Medal in the Math Olympiad (2018) in Baja California.

CETYS **Excellence recognition** (2022)(2021)

1st place in the domain category on a MLH hackathon in Baja California