Gabriel Estuardo Lemus Pacheco

Systems Engineering and Computer Science Graduate

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Work Experience

Backend Developer Intern
Kingo Energy

 March 2023 – June 2023

- Development of features for the reporting and monitoring of the solar modules.
- Modification of open-source Python libraries to handle I2C, RS485, and LoRa protocols on Orange Pi devices.
- Maintenance of the program responsible for connecting with Ubidots, an IoT platform.

Backend Developer Intern
Terabit

 January 2023 – February 2023

- Worked on features for the generation of reports using PHP and the PHPWord library.
- Connection to the MySQL database for data retrieval.
- Development of a REST API for integration with the rest of the system.

Software Engineering Intern
Allied Global

 November 2022 – December 2022

- Developed a web app that records the passengers and routes of buses.
- Integrated QR code scanning to record the routes and passengers.
- Worked on service workers to enable offline functionality.

Projects

Fractal Visualization
Personal Project

- Web app to visualize fractals with different iterations.
- https://fractal-visualization.web.app/

Blockchain Simulator
University Group Project

- Web app to simulate and visualize the operation of a blockchain.
- https://blockchain-sim-test.web.app/

Education

Systems Engineering and Computer Science
Universidad del Istmo

 January 2019 – November 2023

B.S. in Systems Engineering and Computer Science.   GPA: 93.39/100

High School
Colegio Palo Alto

 Graduated in October 2018

Baccalaureate in Science and Letters.

Technical Skills

Programming Languages

JavaScript, TypeScript, PHP, Python, Rust and C++.

Frameworks and Technologies

React, HTML, CSS, Sass, Bootstrap, jQuery and Node.js.

About Me

"Innovative, task-driven professional with experience in design and development."

Languages

Spanish ● ● ● ● ●

English ● ● ● ● ○

Academic Distinctions

 Academic Distinction
UNIS 2019

 Academic Distinction
UNIS 2020

 Academic Distinction
UNIS 2021

 Academic Distinction
UNIS 2022

Skills

Web Development
Backend
Databases
MVVM   MVC
APIs   Containers