

José Pablo Ramírez

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EDUCATION

Universidad Panamericana

Automation and Control Speciality

Guadalajara, MX

Aug. 2022 – June 2023

Universidad Panamericana

Bachelor's degree in Mechatronics Engineering

Guadalajara, MX

Aug. 2018 – June 2022

EXPERIENCE

UPiLot Co-captain (Undergraduate)

Universidad Panamericana

Nov. 2019 – July 2021

Guadalajara, MX

- Development of a remote-controlled aircraft to participate in the National and International "SAE Aero Design" contest
- Team tasks assignment, monitoring, and supervision
- Supported in the design and calculations of the aircraft

PROJECTS

ValveRAC | Ubidots API, Firestore API, HTML/CSS, JavaScript, Python

Jan. 2023 – June 2023

- * Developed a full-stack web application as an interface for data showing
- * Implemented Google's Firestore real-time database and API
- * Implemented Ubidots's database and API
- * Used Quectel BG95 module for LTE connection to send data
- * Used Raspberry Pi microcontroller to set up the system, LTE module and retrieve data
- * Implemented an asynchronous function to retrieve the data from the database

Temperature Measurement System | C++

Jan. 2023 – June 2023

- * Developed a UI with Qt Creator
- * Used Raspberry Pi microcontroller to set up the system
- * Implemented QTimer library to deploy real-time data

KabIOT | C++, Kotlin

Aug. 2021 – June 2022

- * Collaborated on full-stack app application's development
- * Developed a weight measurement system with Arduino
- * Created a mobile app UI desing
- * Implemented SolidWorks for the structure's design and collaborated on its manufacture

SOFT SKILLS

- Teamwork
- Honesty and responsibility
- Communication
- Adaptability
- Emocional Intelligence

TECHNICAL SKILLS

Languages: C#, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Next.js

Developer Tools: VS Code, Visual Studio, PowerShell, WebStorm, MobaXterm, Git, Docker, GitHub, QT Creator

Databases: MySQL, Cloud Firestore

Platforms: Windows, Linux