Jesús Antonio Pérez Reyes
Software Engineer

Contact

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Education

Tecnológico de Monterrey

Digital systems and robotics
GPA **97/100**

August 2016 - December 2021

Areas of interest

- Artificial Intelligence
- IoT in Agriculture
- Quantum computing
- Web development
- Cloud services

Certifications

- Azure fundamentals, AZ-900

Preparing for

- Azure Developer Associate, AZ-204

About

I use technology to provide value and collaborate in challenging projects. Questions is my driven, and I aim to build a better society.

Experience

Apr 2020 – Nowadays • Software Engineer at Wizeline. Improve project on-boarding. Lead daily stand-ups. Identify and solve workers (back) bottlenecks.

February 2021 – June 2021 • Lead the project for the IMT to consume AVI/mjpeg in order to codificate as iRAP, use .NET 5 as main framework of the Desktop App.

Nov 2020 – Dec 2020 • Collaborate with Tec de Monterrey to create an OTA service, use Google Drive as interface to drop updates.

Aug 2020 – Nov 2020 • Donate a Udemy Course of the basics of programming with C++.

May 2020 • Develop with Tec de Monterrey a POC to control a drone with face recognition from a different location, use firebase, OpenCV and ngrok.

Mar 2020 – May 2020 • Teach at Tec de Monterrey about cloud and IoT. Develop a C++ library to facilitate the communication. Guide students to use Azure (IoT Hub, event hub, …), Grafana and RabbitMQ

Jul 2016 – Jan 2020 • For Almavios, lead the development of a Real Estate multi-tenancy system. Migrate Ruby on Rails and containerized the services.

Jan 2019 – Dec 2019 • Tec de Monterrey internship, get industrial machines information. Use MQTT, consume the information using a React App, Node-RED, and Blynk one. Transfer the knowledge.

Nov 2019 • During Tec de Monterrey studies, connect a car with Serial-CAN adapter using Lab Windows/CVI, send the data to AWS Lambda, show the data in a web app via websockets.

2018 – 2019 • For Almavios, create a shell program to automate work with GIT submodules, multiple projects and avoid repetitive tasks.

Aug 2017 – May 2019 • In the scholarship service, develop network case studies, they have been applied in the subjects of fundamentals of networking, interconnection networks and networking online.

Aug 2015 – Dec 2015 • Vice-president of a FIRST Robotics group. Use LabView to move plastic boxes. Talk in local press, get resources. Motivate students to participate in the project.