Jorge Blancas Cruz

Computational Embedded Systems Engineer

Contact info

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Portfolio

Soft Skills

- Teamwork
- Trust in my coworkers
- Negotiation of conflict and problem resolution
- Creativity
- Proactivity
- Responsibility

Interests

- Computer vision
- Internet of Things
- Automation
- Web development
- Firmware

Education

Computational Embedded Systems Engineering | Universidad Politécnica de Yucatán.
September 2016 – April 2020

Languages

- English – Upper Intermediate (B2 CERF).
- Spanish – Native

Profile

A JavaScript Associate Software Engineer capable of working as a team, who always tries to think of a way to solve the problems that may arise. Keeping on going until the goal has met. Nevertheless, a flexible person who can change the strategies according to the needs.

Skills

Hardware:

- PLC: SIEMENS & MicroLogix.
- Microcontrollers: Microchip PICs & STM32.
- Developments Boards: PSoC 5, Arduino, Intel Edison Board, ESP32 & Raspberry.
- Equipment: Tester, Oscilloscope, Power supply, Function waveform generator & Soldering Iron.

Software:

- Programming Languages: C, Python, JavaScript & MATLAB.
- Web technologies: CSS/HTML, AWS, MySQL, Git/GitHub & Node JS.
- Technologies: Eagle PCB Design, LabView, VHDL, OpenCV & LATEX.
- Operating Systems: Linux & Windows.

Experience

JavaScript Associate Software Engineer | *Ksquare University*
Coursing the 16-week training program to become a Software Engineer I at The ksquare Group.
February 2021 – Now

Real Time System for Object Counting | *Vazlo S.A. de C.V.*
Develop a system for counting objects in real time by using computer vision and automation as degree's project.
January 2020 – April 2020

Control Automation | *Universidad Politécnica de Yucatán*
Automate school equipment: program PLCs, send data to a server and build a web app to view the information.
October 2019 – December 2019

Autonomous Orchard | *Universidad Politécnica de Yucatán*
Program an Intel Edison board to read sensors, turn on/off an electrical pump and send sensors data to a local server.
August 2018 – September 2018

Waiter | *Esvedra*
Ensuring that all orders are correct and presented to each table on time, as well as suggesting appetizers and meals to customers based on the menu.
August 2014 – September 2015