

# Jorge Blancas Cruz

## Computational Embedded Systems Engineer

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## 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

## Certifications

- ❖ Staff in the 13<sup>th</sup> WAFR.
- ❖ Staff in the 10<sup>th</sup> COMIA.
- ❖ Participant in the Invent for the Planet competition in 2018.
- ❖ Participant in the ELCIR program in 2018.
- ❖ Participant in the HackSureste competition in 2018.

## 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 S7-1200
  - MicroLogix 1400
- Microcontrollers:
  - Microchip PICs
  - STM32
- Developments Boards:
  - PSoC 5
  - Arduino One
  - Intel Edison Board
  - ESP32
  - Raspberry
- Equipment:
  - Tester
  - Oscilloscope
  - Power supply
  - Function waveform generator
  - Soldering Iron

### Software:

- Programming Languages:
  - C
  - Python
  - JavaScript
  - MATLAB
- Web development:
  - CSS/HTML
  - Amazon AWS
  - MySQL
  - Git and 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