

# JORGE ANDRES PRADO GIANCE

---

10050 Great Hills Trail, Austin, Texas | (737) 708-3243 | jpgiance@gmail.com

## PROFESSIONAL SUMMARY

Junior Electrical Engineer with major in embedded systems programming. Highly capable of solve issues with creative approach and analytical thinking. Skilled with laboratory equipment and schematic. Proficiency in C/C++ and Object Oriented Programming. Fast learner and excellent team-oriented professional.

## QUALIFICATIONS & SKILLS

- Electronic soldering and testing
- Electrical systems troubleshooting
- Blueprints and diagrams understanding
- Sensor Calibration
- Industrial Control and Instrumentation proficiency
- PID tuning
- Oscilloscope and Function generator proficiency
- Object-oriented programming
- C /C++ and JAVA programming
- MATLAB programming
- Embedded Systems programming
- Ladder Diagram for PLC
- Microsoft Office proficiency
- Linux, Mac OS and Windows proficiency

## EMPLOYMENT HISTORY

### **Intern**

Robotic and Perception Group. "Central University Marta Abreu of Las Villas". Cuba 09/2012 to 07/2014

#### **Responsibilities:**

- Hardware design for Embedded Systems.
- Software programming in C/C++ and MATLAB, focused in Autonomous Vehicles.

### **Engineer**

Controls and Instrumentation Engineer. "Ceballos Agroindustrial Company". Cuba 09/2014 to 02/2016

#### **Responsibilities:**

- Repair component level electronics from transducers, power supplies, PLC and communication devices.
- Calibrate equipments and sensors.
- Troubleshoot PLC based Systems, sensors malfunctions, control loops, pneumatic and electrical Systems.

- Tune up digital controllers (PID).
- Program Micro-controllers in C with Microchip.
- Program Programmable Logic Controllers (PLC).

## **Engineer**

Biomedical Engineer. “Venus Medical Solutions”. Austin, Texas 12/2016 to - 05/2018

### **Responsibilities:**

- Repair component level electronics from cosmetic laser machine (SCITON, CANDELA, CUTERA, ALMA, PALOMAR, CYNOSURE, LUMENIS).
- Troubleshoot cosmetic laser machines.

## **Engineering Technician**

Electrical Engineering Technician I. “Smith & Nephew”. Austin, Texas 08/2018 -

### **Responsibilities:**

- Perform standard testing processes on a variety of equipment and record and analyze results.
- Record data from testing in standard formats and provide results to product and engineering teams.
- Assist technical teams with recommendations to resolve testing problems, roadblocks or equipment malfunctions that impact the performance or validity of testing.

## **EDUCATION**

Engineer: Electrical

Central University Marta Abreu of Las Villas, Cuba, 2009 - 2014

## **COURSES AND TRAINING**

Real Time Systems, postgraduate. Central University of Las Villas, Cuba, 2015