

# Guazzaroni Luca

ELECTRONIC ENGINEER

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## Education

**Electronic Engineering, GPA: 7.95/10.0**

UNIVERSIDAD TECNOLÓGICA NACIONAL FACULTAD REGIONAL CÓRDOBA

Córdoba, Argentina

March 2020

## Skills

<b>Electronic Design</b>	Firmware for ARM, ESP32, PIC, AVR. Schematics and PCB design
<b>Internet of things</b>	Bluetooth Low energy, LoRa, Wifi. MQTT, HTTP, Sockets.
<b>Backend Developer</b>	Python, Django, Docker, Nginx, MySQL
<b>Frontend Developer</b>	Javascript, HTML, CSS, Bootstrap, React, React Native, AngularJS, Wordpress

## Experience

### Silstech S.A.S

HARDWARE AND FIRMWARE ENGINEER

Colonia Caroya, Argentina

March 2019 - February 2020

I have been part of the research and development team. The main task was hardware development for fuel truck security system. Including the design of a electronic system to operate in explosive atmosphere.

- Firmware for SMT32F microcontrollers and PCB design
- Mobile DVR Configuration
- Communication with providers and Product improvement

### Linetec S.A

HARDWARE AND FIRMWARE ENGINEER

Córdoba, Argentina

March 2017 - March 2019

I have been part of the research and development team. My most important tasks were design of embedded systems and design of IOT devices and infrastructure.

- Embedded systems: Firmware for ARM, ESP32 and 8 bit microcontrollers, PCB design, power supply design and product testing.
- Internet of things: Programming of Bluetooth low energy, Lora and Wifi devices. Configuration of Lora gateways, MQTT brokers and rest APIs.

### AVEIT

IT LEADER

Córdoba, Argentina

March 2018 - March 2020

I have been leader of the IT team of the organization.

- Maintenance and design of new capabilities of AVEIT's own management web system. This system has Django backend implementing a RESTful API and frontend using AngularJS and Bootstrap 3
- Implementation of corporate website using Wordpress on AVEIT's own server
- Configuration of AVEIT's own server with Ubuntu Server OS. This server has NGINX as reverse proxy and services working on docker, such as managment system API, Wordpress web page, MySQL Database and Apache to serve frontend files.
- Promotion of the identity, integration and training of the working group

### Linetec S.A

HARDWARE ENGINEER INTERN

Córdoba, Argentina

April 2016 - February 2017

## Projects

### Linetec

- Indoor and outdoor objects tracking system with Lora, GPS and Bluetooth
- Lora sensor monitoring system y connected to AWS
- Perfume dispenser with Wifi and Bluetooth Low Energy connectivity
- Electric stove power control circuit
- Development of low-voltage airflow sensor