

# ROMERO HERNÁNDEZ ANGEL SAMUEL

## ELECTRICAL AND ELECTRONIC ENGINEER

DEGREE AND PROFESSIONAL LICENSE

## EDUCATION

Faculty of Engineering – National  
Autonomous University of Mexico  
(UNAM), Mexico City

2014 – 2019

## ABOUT ME

Success is individual and subjective, an  
enjoyable job that is constantly full of  
learning becomes the reward...

Highly committed professional to their work  
towards society, learning, and continuous  
improvement who seeks to contribute their  
skills with a great team.

## KEY SKILLS

- Self-Taught And Proactive
- Problem-Solving
- Teamwork
- Design Of Electronic Systems With  
Analog And Digital Circuits Using  
Microcontrollers And Fpgas
- Python And C
- OOP
- Django
- HTML And CSS
- Git Version Control

## LANGUAGES

Native Spanish  
Advanced English  
Basic French

## CONTACT ME

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Phone: +52 (55) 27224081  
Age: 29 years old  
Driver License: Type A



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/angelsamuelhernandez/



## COURSES AND TRAININGS

### Create a Code Writing ChatGPT A.I. Site With Django Python

- Location: Udemy (Online): Duration: 2.5 hours
- Language: English
- Status: Completed

### Django Practical Course: Backend Web Development with Python

- Location: Udemy (Online) | Duration: 12.5 hours
- Language: Spanish
- Status: In progress

### GIT+GitHub: A Complete Version Control System From Scratch

- Location: Udemy (Online) | Duration: 12 hours
- Language: Spanish
- Status: In progress

### Training In Germany: Configuration In Workstation Systems, Didactic Systems, Electronic Measuring And Testing Devices

- Location: erfi Ernst Fischer GmbH+Co.KG.  
Freudenstadt, Germany (In-person)
- Duration: 1 week
- Language: English
- Status: Completed

### Training In Germany: Initial Configurations Of Didactic Production Cells With Industry 4.0

- Location: Bosch Rexroth GmbH. Ulm, Germany (In-  
person)
- Duration: 7 hours
- Language: English
- Status: Completed

## SKILLS

- English Negotiation
- Logical and Analytical Thinking
- Fast Learning and Adaptation
- Time Management and Organization
- Constant Communication

## ENGINEERING SOFTWARE

- AutoCad 2D
- Arduino
- Tiva (Texas instruments)
- Matlab
- Multisim
- Proteus
- Photoshop
- Visual Studio Code
- Quartus II
- Linux Ubuntu
- Xampp
- PyCharm

## OTHERS

- Ladder Logic Language
- Visual Basic for Applications (Excel)
- VHDL Hardware Description for FPGA
- Microcontroller Programming

## AWARDS

- Honorable Mention in the UNAM 2019 project, third place in the contest with a hand-held temperature gradient measuring glove for medical applications UNAM 2019-2 using a PSoC Cypress Semiconductor with 6 temperature sensors connected through I2C communication and programmed in C.

## EMPLOYMENT SUMMARY

### Skill Technology S.A. de C.V.

May 2021 – Present

Position: Projects – Brand Leather

Creation of projects that make up an integral solution in engineering laboratories in the Electrical, Electronic, Robotics, Automation, Control, Information Technology, and Industry 4.0 areas at Universities, Research Centers, and Technological Institutes in Mexico.

Main Activities:

- Communication and negotiation with technology manufacturers from the United Kingdom, Germany, United States, Spain, and Canada, besides the importation of technology for various areas of engineering.
- Visits to customers for needs detection, elaboration of webinars, product and solution presentations to the customer and training to the Sales-Commercial area.
- Elaboration of digital announcements for the marketing area with technical descriptions of products and solutions offered by each foreign brand.

### Relci Biomedical S.A. de C.V.

July 2020 – February 2021

Position: Service Engineer

Preventive and corrective maintenance at the component level for medical equipment belonging to IMSS hospitals and naval hospitals of the Secretariat of the Navy..

Main Activities:

- Design of controls using microcontroller programming on equipment with damaged control boards

Corrective and preventive maintenance to:

- Defibrillators, vital sign monitors, electrocardiographs, tococardiographs, incubators, radiant heat cribs, CEYE autoclaves, etc.
- Dental autoclaves, dental units with compressor and vacuum pump, cavitron and amalgamator.
- Microscopes, refrigerators, and ultra-freezers.

## **Tersum A'res S.A. de C.V.**

August 2019 – July 2020

Position: Service Engineer

Responsible for providing preventive and corrective maintenance, installation, and commissioning of electronic equipment that makes up an air quality monitoring system: CO, NOx, SO2, O3, particulate matter PM10, PM2.5, and black carbon.

Main Activities:

- Programming and automation of Excel formats with Macros in Visual Basic for Applications.
- Training customers on how to correctly use the electronic equipment they purchased, principles of operation, and preventive maintenance.
- Presentations and training for the sales department.

## **ADDITIONAL EDUCATION**

### **Diploma: Medical Equipment Maintenance**

January 2019 – July 2019

Location: UNAM Faculty of Engineering (In-person)

Duration: 6 months

Status: Completed