

## About me

Embedded software developer looking for a position in the automotive field, where my professional experience working with Ford's ECU application software and academic experience developing cell phone and smartwatch android applications for AES encryption.

## Professional experience

Vitesco Technologies *July. 2021- Currently*

- Requirements engineering. Import stakeholder requests into internal documentation.
- Function design for application software and documentation.
- C programming and debugging in ECU.
- Experience in unit test using: Tessy & PTU.
- Control version software (IMS).
- Experience testing the software implementation using trace32 and HIL.
- Experience in the management of measurement instruments: Oscilloscope, multimeters, frequency generator, etc
- Work with the testing team to find the root cause of bugs and issues.

Continental Automotive| Product Engineer *April. 2018 – July 2021*

- Bond between Continental manufacturing and R&D. Update of software or hardware implemented in the production line.
- First pass yield improvement.
- Quality improvement. Continuous improvement.
- Technical support of the product to manufacture.

Continental Automotive| Intern Product Engineer *April. 2017 - April. 2018*

Support product engineers in activities like:

- First pass yield improvement.
- Monitoring Stop Jidoka inline production.
- Automation with excel macros for KPI files.

Flex| Diagnostic technician *July. 2016 - February. 2017*

- Finding the root cause for functional defects in electronics boards.
- Manage of multimeter, oscilloscope, and power sources.
- Quality assurance.

## Formation

### Embedded Systems Specialty

ITESO *2020-2021*

*The project for my degree is focused on automotive and encryption AES, using smartphone and smartwatch android applications.*

### Mechatronics Engineering.

Centro de Enseñanza Técnica Industrial *2014-2018*




### Technologist in Electronic Development

Centro de Enseñanza Técnica Industrial *2010-2014*

# Raúl Eleusis Pérez Carretero

## Software Embedded Developer

## CONTACT

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## Skills

- C embedded programming and debugging.
- Requirement engineering.
- Unit test (Tessy and PTU).
- Control version Software (IMS).
- Oscilloscope, multimeter, function generator.
- CANoe Basic
- Python basic
- Linux basic
- Git basic
- Academic experience using:
- FreeRTOS Basic
- Encryption algorithm (AES)
- Android application Basic

## LANGUAGES

- English: Advance
- Japanese: Basic

## Aptitudes

- Leadership.
- Self-taught.
- Companionship.