Raúl Eleusis Pérez Carretero

Software Embedded Developer

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 measuremenet 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*

CONTACT

📞 3314156160

📍 San José #255, Col Santa Isabel, Tlajomulco de Zúñiga

✉ eleusispc@live.com.mx

Skills

C embedded programming and debugging.

Requirement engineering.

Unit test (Tessy and PTU).

Control version Software (IMS).

dSpace

HIL

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.