



Pedro Javier Gálvez Valadez

M. Eng Mechatronic

Age: 29 years Marital Status: Single

pgalvez@ford.com - Ford net: 943-7655 - mobile: (55) 12 24 24 80

<https://pgalvez9.github.io/Resume/>

Profile

Ability to teamwork and make decisions objectively, able to develop projects integrating technologies. Experience in creating scheduling algorithms, control systems, digital systems, dynamical analysis. Strong experience working with embedded microcontrollers, sensors and communication protocols, knowledge data mining and data analysis, SQL databases, Data Quality and Business Intelligence.

Academic Background

- | | |
|---|-----------|
| ➤ GRADUATE ENGINEERING UNAM | 2012-2014 |
| Master in Mechatronics | |
| ➤ NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO | 2008-2012 |
| Mechatronic Engineer | |

Competences

Leadership	Creative	Communication
Responsability	Dedication	Efficiency

Work Experience **Ford Motor Company** (November 2015 – Present)

In the time that I have been working in Ford, I have been participating in several roles understanding the Software release process in the company as:

- SW delivery by milestones (prototype and production)
- Systems that interact with IVS as WERS, AVBOM, FEDE, FCSD, MCP team, D&Rs.
- Service Action process, bulletin releases and DSP Testing

In this time, I have been developing enhancements for the area as:

Front end for Software Validation Health Chart (CSS and JS)

- Put Color Conditions for the status of each section, Group and Cascade view for the fields in the edit view

FileChecker enhancement (C++)

- Changing the code and the SW architecture from 32 bits to 64 bits in order to read and process files bigger than 8 GB for sync files.

IVS Task Manager (C#)

- Standalone app that get all the IVS Sharepoints information by Engineer in order to create a "to do" list and avoid skip releases, a notification raise in the desktop when a new item with the Engineer name is created.

IVS Workload and Efficiency (C#)

- Standalone app that calculate the workload by engineer depending the module, the program and the engineer, with this the tool could suggest who could support the new lines in the Health Chart.

- The Workload calculation help us to reduce the number of Engineers working in IVS from eight to three.

Hard Rocks Automatic Report (C#)

- Stand Alone App to create the Service Action report and the Hard Rocks report automatically

Global SW HC Dashboard (Alteryx)

- I was working in the development of the qlikview Dashboard (IVS Section) in order to show the Engineers workload and the open items.

BBTool (C#)

- Standalone app that analyze all the PDO features in order to create the minimum numbers of breadboards that you need to testall the PDO features combination.

The last two years i have been participating in Campus Party Mexico a technology event where I trained the participants in topics as how to develop apps for Sync 3, and their connection to mobile apps in Android and IOS.

I have been participating in cultural events in order to get a better culture in FoM as Hackathon Culture 2018

As SDE Engineer I am training PD FoM in the knowledge of SDE Tools and how the SW Development cycle could be enhanced, I am training and supporting FoM teams in topics as Git and Github.

In collaboration with L&D team, I am developing the Artificial intelligence & SW developing training for FoM

Honeywell (2018 Personal Project) Sensors integration, design and programming microcontrollers, sensors instrumentation and Apps development in order to integrate I2c and analogic sensors with servers in Honeywell Mexico Central through Android devices.

Seguritech (January 2015 – November 2015) Software development, data mining, risk managers creation, vision systems, license plate recognition, vehicular RFID readers, use of ESB and BPM. Systems visions to plate recognition, image processing for face recognition, PLC programming for access in jails.

INER (National Institute of Respiratory Diseases) Ergonomic medical equipment for detecting sleep apnea using Bluetooth communication , preventing data loss caused by patient movements during sleep (patent pending).

USC (University of Southern California) Proposed a system identification method to compare the mathematical model of the respiratory system with experimental results.

Certifications

ITIL (Information Technology Infrastructure Library)
SCRUM Master
ISTQB Foundations
Git & Github Train the trainers
Microsoft Office Advance Certification

Programming

C/C++	Git and Github
Python	JAVA
JIRA	Linux/RedHat Unix OS
Alteryx	CSS and JS