# HAMID TASRA

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## Objective

A polyvalent Engineer who has more than 4 years' experience as an automotive/embedded/Web engineer and involved in software tests where test cases were developed, automated and executed. Experienced in embedded systems' testing: system test, smoke test, regression test, etc. Efficient in working with geographically distributed teams (Agility: SCRUM).

## Education

**Faculty of Sciences and Technologies** — Settat, Morocco
Master degree in Embedded Systems and Telecommunication Engineering — 2013–2019

**Technical high school** — Fez, Morocco
National High School Diploma, Electrical Sciences and Technologies — June 2013

## Work Experience

**Capgemini Engineering** — Casablanca, Morocco
Software Engineer — December 2022 – Now
**Project:**
working simultaneously on two projects with the client

- Developed a GUI interface with Matlab App Designer
- Scrpting with Matlab and ASAM OpenDRIVE
- Creating Test Senarios using IPG Car Maker
- Contributing in the project documentation
- Assisted in the meeting to help othe team members in their blocking point
- Lead the developement team to test a web third party service
- Scripting with Python and REST to automate to process the data requested from the API of the web third party service

**Metaneon Maroc** — Fez, Morocco
Self-employed — December 2021 – December 2022
**Project:** **Metaneon**

Making artistic connected neon signs

- worked on the whole process of the Neon signs creation
- Content creation
- Art Direction
- Automation
- Marketing and B2B and B2C support
- Instagram :Metaneon_mar

**Alten Group** — Fez, Morocco
Software Test Engineer — September – December 2021
**Project:**
Testing the diagnostic services implemented in ECUs variants.

- Automated Test Cases with INPA
- Flashed the DUT with INCA
- Documented the project with Sphinx

**Alten Group** Fez, Morocco
SWE.6 Test Engineer Mai 2020 – September 2021
**Project:**

Software Qualification testing of an ASW dedicated to generate a detailed horizon for drivers, derived from an input MAP.

- Contributed to the Analysis of the system and software requirements provided by the customer
- Participated in the review meeting with Developers and Requirements Engineers
- Establish the linking between the Test Specifications in RQM and the Requirement in DOORS
- Implemented and automated Test Cases with CAPL
- HiL set-up and management
- Executed Test Cases with Canoe
- Participated in regression testing
- Reported bugs, verified the issues, and re-executed the test cases (using JIRA)

**Alten Group** Fez, Morocco
SWE.6 Test Engineer November 2019 – April 2020
**Project:**

Software Qualification Testing of an ASW for a heating controller.

- Contributed to the Analysis of the system and software requirements provided by the customer
- Participated in the review meeting with Developers and Requirements Engineers
- Establish the linking between the Test Specifications in RQM and the Requirement in DOORS
- Implemented and automated Test Cases with CAPL
- Simulated sensors and actuators with VTsystem Hardware
- HiL set-up and management
- Executed Test Cases with Canoe
- Flashed the DUT with TRACE32 using lauterbach
- Participated in regression testing
- Reported bugs, verified the issues, and re-executed the test cases (using JIRA)

**Alten Group** Fez, Morocco
SWE.6 Test Engineer February – November 2019
**Project:**

System and Software Qualification Testing of DEM and DCM modules of a ADAS ECU

- Implemented Test Cases based on approved requirements
- Automated Test Cases with CAPL and Python
- Executed Test Cases on the HiL with Canoe
- Developped a module for the team to execute and log the results of some special Test Cases automated with Python
- Flashed the DUT with client tool

## Skills

- **Languages**: C, CAPL, Python, REST, ASAM OpenDrive, Solidity
- **Tools**: Canoe, vTESTstudio, Matlab\Simulink,IPG Car Maker, ECU-TEST, INCA, TRACE32, DLT viewer
- **OSes**: Linux (Embedded), Windows
- **Protocols**: CAN, Ethernet, UDS, XCP, Flexray, LIN, Blockchain
- **Documentation**: IBM DOORS, RQM, Polarion
- **Defect Management**: JIRA, IBM RTC Jazz

- **Version Control**: GIT, SVN
- **Standards**: ISO-26262, MISRA-C
- **Methodologies**: A-SPICE v3, AUTOSAR, OOP, V-Model, Agile (SCRUM)

## Academic Projects

- **Safe Drive**: Backpack used by Cyclists to prevent them against road accidents
  - **Tools**: C, Atmel® ATmega328P, PIC16F877A, MPU6050, RF 433MHz, RGB Panel
- **Smart Headlight**: Automatic control of car headlights
  - **Tools**: Python, MQTT, Raspberry Pi, Embedded Linux, ESP8266, PiCamera
- **Home automation**: Prototype of a smart home for devices monitor using a web application
  - **Tools**: Raspberry Pi, LAMP, HTML, CSS, SQL, PHP, DS18B20, PiCamera

## Certification

- ISTQB certified tester foundation level - ID : 81569
- Simulation-Based Testing with Simulink
- Stateflow for Logic Driven System Modeling

## Language

- **English:** Full Professional proficiency
- **French:** Bilingual proficiency
- **Arabic:** Native proficiency