REDA EL MEKKAOUI

currently searching a six-month internship starts in March 2023.

CONTACT DETAILS

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OUTILS

Programming languages and tools:
Python - VHDL- C# / C/C++ - FPGA - Microsoft Office (Excel, VBA...)

Software:
 MATLAB Simulink - Simcenter Amesim - CATIA V5 - Abaqus - Ansys - Creo - LabVIEW - RDM6 - Step 7 - Sofrel Softools - Tia portal - Grafcet - TWIDO - Altium Designer Proteus 8 - LTspice - 20sim - Puma

ACTIVITIES

Club MechatronicsTrendz I
- internal Affairs Manager

IEEE
- Active member

CERTIFICATS

Python (Udemy)

CATIA V5 certificate(Dassault systemes)

Excel VBA (Udemy)

LabVIEW (Udemy)

NORMES

Automotive standards :
 ISO 26262
Aeronautical Standards:
 AS/EN 9110

LANGUAGES

Arabe   : maternal
Français : fluent
anglais : fluent

FORMATIONS END DIPLOMES

2022 - 2023 National Superior School of Engineering of Le Mans (ENSIM)
- Engineering Cycle: Vibration Acoustics and Sensors

2020 - 2022 National School of Applied Sciences - FES (Morocco)
- Industrial engineering cycle: Mechatronics engineering

2018 - 2020 National School of Applied Sciences - FES (Morocco)
- Preparatory cycle

JUIN 2018 Baccalaureate in Physical Sciences: Very GOOD rating

EXPERIENCES PROFESSIONALS

Aerotechnic Industries S.A | JUILLET 2022 - SEPTEMBRE 2022
Discovery intership
- <u>Tasks performed:</u> internship in aeronautics
Optimization of the supply of screws and bolts on a station of Aerotechnic industries:
  - Optimization of assembly processes.
  - Reduction of cabin manufacturing delays.
  - Reduction of flight test delays

Groupe Veolia | JUILLET 2021 - SEPTEMBRE 2021
Engineering internship
- <u>Tasks performed:</u> internship in automation
Development of an industrial SCADA system for the automation and supervision of pumping stations:
  - Realization of a review on SCADA systems
  - A presentation of the complementary software to the SCADA system
  - Realization of a GRAFCET of need of a pump

EXPERIENCES ACADEMICS

Study and modeling of the ABS braking system and ESP stability control
 Technical tools: Matlab/Simulink
Design of the chassis of an autonomous car (IEEE ENSAF organization)
Technical tools: Catia V5
Study and development of the different systems of an electric vehicle in (IEEE ENSAF organization & Stellantis)
Technical tools: CATIA V5R20, Abaqus, Matlab/Simulink; ADAS Systems, Python.

TECHNICAL KNOWLEDGE

- Finite element method
- Electronics Analog, power electronics
- Programmable logic controller Schneider
- Automation and robotics
- Power electronics
- Project management : V-cycle & Lean Manifacturing & Agile Method Programming of cards based on microcontroller, microprocessor Servo control and regulation and automation