Marouane BENFIKRI

Young Engineer in Industry 4.0

✉ Marouane.BENFIKRI@um6p.ma
📞 0688-171306
🏠 Marrakech
📅 21 years old

Social networks

in @Marouane BENFIKRI

Tehnical Skills

Modbus/Tcp Ip/OPC UA

Electrotechnics, Power Electronics, Analog and Digital Electronics, Embedded Systems

Scrum, Systems Engineering

Computer skills

TIA Portal/Kepserver/UAexper/Vejio Designer

Unity Pro/zelio soft /twido soft/Factory IO

Matlab Simulink/ Proteus / Max2plus

C/ C++/ Java / python /VHDL/Assembleur

Ubuntu /Node RED/ROS

SolidWorks / Gazebo /Rviz /Arena

Languages

French

English

Arabic

Soft-Skills

Project Steering/Adaptability

Collaborative work/Stress management

References

FAHMI Abderrahim
Electronics and Embedded Systems Engineer, OCP Bengrir
+212662137914

KOUISS Khalid
Coordinator of the TIUF (Industrial Technology for the Factory of the Future), UM6P-GTI
khalid.kouiss@um6p.ma

Interests

Robotic

Film and series

Read scientific articles

Music

As a young engineer specialized in Industry 4.0 and Digitalization, I am committed to applying my knowledge to address the challenges of the digital era. My goal is to gain practical experience, contribute significantly to the industrial evolution towards intelligent and connected processes, while demonstrating my willingness to innovate and file patents to introduce innovative solutions in the field.

Education

Master's in Industrial Technology for the Factory of the Future

From September 2023 to September 2025 — Mohammed 6 Polytechnic University (UM6P) - Green Technology Institute (GTI) Bengrir, Morocco

- Analysis of a cardiac disease monitoring system through the systems engineering approach.
- Development of a text processing algorithm using Natural Language Processing (NLP) .
- 3D design of a doodle robot.
- Architecture of AVG Robot Networks
- Designing a Supervisory Interface

Bachelors degree in Electronics and Industrial Computing

From September 2022 to September 2023 Faculty of Science EL JADIDA. Al Jadida, Morocco

- Designing an amplifier based on bipolar transistors.
- Creation of an automatic parking system using PLD (vhdl)

University Diploma of Technology (DUT) - Electrical Engineering Electronics Option

From September 2020 to September 2022 — Higher School of Technology of Meknes (ESTM) Meknès, Morocco

Implementation of a remotely controllable intelligent irrigation system. (Arduino Mega / ESP8266...)

Baccalaureate degree in electrical science and technology

From September 2019 to September 2020 Hassan 2 High School Marrakesh, Morocco

Work experience

PFE internship in Robotics Engineering

From May 2023 to July 2023 OCP Bengrir

3D design of an autonomous navigation robot involving the development of guidance and autonomy algorithms, using ROS (Robotic Operating System) technology.

PFE internship in Automation

From April 2022 to June 2022 EL BAROUK Marrakech

Automation of the flour bagging process using a Schneider Twido PLC.

Initiation internship

August 2021 ONCF Marrakech

Study of sound systems, retention toilet, and semi-automatic door.

Certifications

The Raspberry Pi Platform and Python Programming for the Raspberry Pi

August 2023 University of California, Irvine Coursera

Introduction to the Internet of Things and Embedded Systems

August 2023 University of California, Irvine Coursera

The Arduino Platform and C Programming

March 2023 University of California, Irvine Coursea

Extracurricular experience

Project Manager

From December 2023 to June 2024 Cyborgs UM6P

The realization of projects in robotics and electronics

Volunteer Work Coordinator

From September 2019 to September 2020 Dar Talib Mabarrat Moammed 5 Marrakech