

Yassine EL-HEMAIS

Electrical Engineer

Passionate about electrical technologies, I am committed to improving and innovating in the field of electrical infrastructure. I aim to introduce effective and reliable solutions while collaborating with dynamic teams to tackle upcoming technological challenges.



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WORK EXPERIENCE

FTTx Fixed Network Design and Deployment Engineer Circet Morocco

09/2022 - Present

Casablanca, Morocco

Achievements/Tasks

- Rigorous management of the necessary stages for project execution on-site, including preliminary studies (APS), detailed design (APD), and final documentation (DOE).
- Detailed design of FTTx network deployment plans using AutoCAD.
- Creation of precise technical drawings in accordance with standards and specifications.
- Assessment and calculation of electrical pole load capacities (HTA and BT) for infrastructure deployment.
- Coordination with technical teams to ensure accurate and efficient implementation.

Graduation Internship Circet Morocco

03/2022 - 08/2022

Casablanca, Morocco

Achievements/Tasks

- Development of a graphical user interface in QGIS to automate the NETGEO phase, using the PyQt library in Python.
- Development of a program in Visual Basic VBA to standardize Excel files used by project managers.

Engineering Internship Ciment Morocco

06/2021 - 08/2021

Agadir, Morocco

Achievements/Tasks

- Description of the general operation of the Caricamat machine for the automatic loading of cement bags, in preparation for the application of the FMEA method to the shipping workshop.
- Design of the GRAFCET for machine operation and implementation of circuit supervision using WINCC.

Professional Orientation Internship ONEE

05/2020 - 06/2020

Ouarzazate, Morocco

Achievements/Tasks

- Analysis of the electrical installation of the AQUAZUR V filter and automation of its washing process.

EDUCATION

Engineering Degree - Electrical Engineering, Electronics, and Telecommunications

Hassania School of Public Works

09/2019 - 06/2022

Casablanca, Morocco

Preparatory Classes for Grandes Écoles - MPSI/MP

Reda Selaoui Center

09/2017 - 06/2019

Agadir, Morocco

SKILLS

Creativity

Teamwork

Autonomy

Ability to Listen

Initiative

CERTIFICATES

MATLAB Onramp

Completed MATLAB Onramp Certificate, demonstrating proficiency in MATLAB scripting, data analysis, visualization, and custom function design.

Get started with Python

Completed 'Get Started with Python' course, demonstrating proficiency in Python fundamentals, including basic syntax, data structures, and scripting.

PERSONAL PROJECTS

Solar Pumping System Design and Sizing

- Matlab/Simulink, PVSyst

Smart Home and Automated Irrigation System Design and Sizing

- Matlab, Labview, Proteus, Arduino IDE

Modeling of Synchronous and Asynchronous Machines

- Matlab/Simulink

Study and Sizing of an Electric Vehicle Power Conversion System

- Matlab/Simulink

SKILLS

Tools and software :

Matlab/Simulink, PVSyst, AutoCAD, Caneco BT, Pspice, Proteus, Psim, Qgis, Schemaplic, Labview, WINCC, CAP FT, COMAC, Atoll

Programming languages :

HTML/CSS, Python, JAVA, C/C++, VBA, MYSQL, Access

Microsoft Office :

Word, Excel, PowerPoint

LANGUAGES

Arabic

Native or Bilingual Proficiency

French

Full Professional Proficiency

English

Full Professional Proficiency