

ELHAMAOU SAID

ELECTRICAL SYSTEMS ENGINEER



CONTACT

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PROFILE

Freshly graduated engineer from ENSET of Mohammedia in Electrical Systems and Renewable Energies , I'm passionate about embedded systems, IoT and renewable energies. Rigorous and polyvalent, i use my analytical and leadership skills to help my work environment to develop. I thrive in goal-oriented environments with a proven ability to work under pressure.

EDUCATION

- **ENGINEER'S DEGREE IN ELECTRICAL SYSTEMS & RENEWABLE ENERGIES**
ENSET Mohammedia - 2019-2021
Graduated with honors : Good
- **BACHELOR OF APPLIED SCIENCE - BASC IN ENERGY EFFICIENCY & RENEWABLE ENERGIES**
EST Agadir - 2018-2019
Graduated with honors : Good
- **UNIVERSITY DIPLOMA OF TECHNOLOGY IN ELECTRICAL ENGINEERING**
EST Agadir- 2016- 2018
Graduated with honors : Good
- **BACCALAURÉAT EN SC EXPÉRIIMENTALE**
AL AMAWIYIN High School - Agadir 2016
Graduated with honors : Very Good

SKILLS

- **Programming**
C, C++, VHDL ,Python
Grafcet , Ladder
HTML/CSS /JS , SQL
- **Automation**
Tiaportal
Step7, Wincc
- **Electrical sizing**
Matlab, Simulink
Autocad, canecoBT, PVsyst
- **Embedded sys & IoT**
Arduino, Esp8266-32
Raspberry pi
Kicad ,Node-red, Grafana
WiFi-MQTT-ZigBee
- **Conception & Modeling**
Adobe illustrator
Fusion360 , SketchUp
- **Office tools**
MS Office

LANGUAGES

- English
- French
- Arabic
- Amazigh

INTERESTS

- Football
- Reading
- Entrepreneurship
- Music
- E-com

EXPERIENCES

• END OF STUDIES ENGINEER'S PROJECT INTERNSHIP

Green Energy Park | Feb - Aug 2021



CONCEPTION OF A SMART HOME MANAGEMENT SYSTEM BASED ON INTERNET OF THINGS AND MACHINE LEARNING

- Conception of IoT solution architecture
- Implementing Zigbee , Loxone Tree/Air & MQTT Communication Protocols
- Data acquisition , storage and visualisation
- Conception of a web & mobile user Dashboard
- Machine Learning energy optimization algorithm

• ENGINEER'S SUMMER INTERNSHIP

SSDIA Laboratory ENSET Mohammedia | Oct - Nov 2020



CONCEPTION AND REALIZATION OF AN IOT SOLUTION OF A CONNECTED DIDACTIC PRACTICAL WORK MODEL (AUTOMATIC LEVEL REGULATION BENCH

• TECHNICAL INTERNSHIP

National Office of Electricity (ONEE) | Apr - Mai 2019



CASE STUDY OF AN ENERGY EFFICIENCY SOLUTION FOR TAN-TAN BASED ONEE ELECTRICITY PRODUCTION FACILITY , CONCEPTION AND SIZING OF A 100 KWC SOLAR POWER FIELD

• END OF STUDIES INTERNSHIP

Group AZURA | Apr - Mai 2018



PROGRAMMING & CONTROL OF A CNC MACHINE BASED ON ARDUINO BOARD , STEPPER MOTOR TB6560 DRIVER AND USE OF THE G-CODE LANGUAGE

• INITIATION INTERNSHIP

Group AZURA | Aug 2017



AUTOMATION OF AN INDUSTRIAL LIFT BASED ON A ZELIO LOGIC SCHNEIDER ELECTRIC PLC

ACADEMIC PROJECTS

- Automation and supervision of a didactic model of practical work in industrial automation based on the S7-300 PLC
- Modeling and simulation of an asynchronous machine with Matlab/Simulink
- Design and conception of a DC motor speed controller

PARA-UNIVERSITY PROJECTS

- 3rd prize Hack&Pitch ENSET Mohammedia 2020
- President of the organizing committee STEP UP 1st edition The English Club EST Agadir 2019
- Active member of the Mechatronics Club ENSET Mohammedia 2019/2021