



Hassan RAMMAL

Electrical engineer student: specialty in robotics and intelligent systems (master2) looking for an internship in the field of electricity and electronics.

CONTACT DETAILS

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Beirut, Lebanon

EDUCATION

- **Université de Technologie de Compiègne:**
Master2 in robotics and intelligent systems.
since 2021
- **Lebanese University**
Diploma in Electrical and Electronic Engineering
since 2017

SKILLS

PROGRAMMATION:

- Python
- C++
- C
- Matlab

SOFTWARE

- LabView
- Simulink
- Proteus
- AutoCAD
- Ecodial
- Microsoft office

CERTIFICATION & VOLUNTEER WORK

Volunteer at the Lebanese Red Cross since 2019

- Emergency medical technician at the Lebanese Red Cross.
- Mission Leader at the Lebanese Red Cross
- Ambulance driver certified by the Lebanese Red Cross

Certified by the Lebanese army for our assistance after the explosion of August 4th.

Certified by Cisco in: CCNA routing and switching: introduction to networks.

MAIN COURSES

Electro technique, Electrification, Electrical Installation and protection, Circuit Synthesis, Transmission line, Production of energy

PROFESSIONAL EXPERIENCES

Project in Electrical installation

Lebanese University 2020

Design the electrical wiring of a house using AutoCAD

Installation of cabling and associated devices such as switches, distribution boards, sockets, and light fittings in a structure.

Project in Electrification

Lebanese University 2022

Using Ecodial, design the electrical wiring of a system from Medium voltage source then to Low voltage, and choose the size of the cable depending on its length and the load.

Project in Microcontroller

Lebanese University 2021

Design a buck converter

Using Proteus, design a buck converter to convert a DC voltage to a lower DC voltage using a microcontroller.

Active Fault-Tolerant Control using gain scheduled or reconfigurable PID controller :

University of Technologie of Compiègne 2022

Design an active fault tolerant controller for a two tank system using a programmed gain PID controller

The simulation showed:

- Controller gains in fault-free and faulty modes
- The fault injection time (sensors or actuators)
- The performance of the controller under one and more failures.

C++ Language

Lebanese University 2020

Creation of an entire code for an inventory using classes to organize its goods.

Bibliography:

Lebanese University

- Induction Motor Control: The Strategies of System Control.
- Humidity sensors: Different models and measurements of these sensors
- Visible light communication systems

LANGUAGES

ENGLISH : GOOD

FRENCH : GOOD

ARABIC: MOTHER LANGUAGE