



# Maroun EL KATTAR

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in Maroun EL KATTAR 🖱 <https://marounalkattar.github.io/maroun/>

## 👤 PROFILE

Dedicated and motivated engineer looking for a part-time job in mechatronics engineering where I can learn and apply extended skills, be introduced to new concepts, and already refine acquired knowledge.

## 🎓 EDUCATION

**Bachelor in Mechatronics Engineering,**  
*La Sagesse University-Polytech Beirut*   
2017 – present | Beirut, Lebanon

**BT3 électrotechnique, Foyer de la providence**  
2014 – 2017 | Salhieh, Lebanon

## 📜 CERTIFICATES/COURSES

**Introduction to self-driving cars,**  
*University of Toronto through Coursera*   
2022

**Solar Energy Systems Overview,**  
*By University of Buffalo through Coursera*   
2022

**Robotics Specialization,**  
*University of Pennsylvania through Coursera*   
2022

Robotics: Aerial Robotics , Robotics: Computational Motion Planning , Robotics: Mobility , Robotics: Perception , Robotics: Estimation and Learning and Robotics: Capstone

**Oracle Database Foundation,**  
*by Learn Quest through Coursera*   
2022

**Improve Your English Communication Skills Specialization,**  
*Georgia Institute of Technology through Coursera*   
Mar 2022

**Microsoft 365 Fundamentals(3 of 3 courses),**  
*By Microsoft through Coursera*   
May 2022

**VEX123**   
2022

**DELFB2, Institut Français in Libanon**   
Aug 2021

## 🏠 ORGANIZATIONS

**Beirut AI, Member**   
2022 – present

**Robotshop community, member**   
2021 – present

**Lebanese Red Cross volunteer**   
2013 – present  
• Ambulance driver EMS  
• MCI FAT: mass casualty incident  
• Member in search and rescue team (SAR)  
• Head of station youth department (2015-2016).

**Before We Die Club, Founder**  
2020 – 2021  
Before we die club for outdoor extreme activities (canyoning, climbing, camping).

## 💼 PROFESSIONAL EXPERIENCE

**Mechatronics Engineer, IMS LABORATORY**   
Feb 2023 – present | Bordeaux, France

**Laboratory teaching assistant,**  
*La Sagesse University-Polytech Beirut*   
Oct 2022 – Dec 2022 | Forn El Chebek, Lebanon  
• Assisted the professor by helping the students with the exercises and techniques of the electrical circuit laboratory  
• Prepare equipment for lab instructions  
• Solo tutorials in the absence of the teacher  
• Maintain laboratory equipment

**Mechatronics/ Robotics project**   
2021 – present  
Carry out several projects related to mechatronics, robotics, embedded systems, artificial intelligence, and the Internet of Things (IoT)

**3D Maker shop-Internship, Mechatronics Engineer**   
Jun 2022 – Sep 2022 | Mar Mikhael, Lebanon  
• Design several projects using SolidWorks  
• 3D print using Cura, Simplify and Prusaslicer  
• Build many projects using Arduino and Raspberry Pi  
• Develop knowledge in the mechanical design industry  
• Problem solving skills

**Oculi-Internship, Computer Vision Research Engineering**   
Feb 2022 – May 2022 | Nahr El Kalb, Lebanon  
• Efficient research  
• Write daily reports and organize data presentations  
• Work in collaboration with other researchers  
• Implement innovative algorithms solutions  
• Test the efficacy of products and analyzed the results  
• Evaluate skills in python, NumPy, and OpenCV.

**Cube3dp-Internship**   
Jan 2022 – Feb 2022 | Mansourieh, Lebanon  
• Evaluate skills in SolidWorks and 3D drawing  
• Understanding how 3D printers work  
• Detect and repair any 3D printer  
• Learn how to manage and coordinate a 3D project with a client  
• Manage daily activities, and provide solutions.

**Smart Home services, Freelancer**   
2020 – 2022  
• Planning Smart Home Services.  
• Energy Management  
• Home network  
• Home Automation

**Electrician technician, Freelancer**  
2015 – 2017

## 🧠 SKILLS

C/C++ | Python | Matlab | assembly PIC | Solidworks  
AutoCAD | Arduino | Proteus | Logical Circuit | TinkerCad  
PLC | Microsoft 365 | OpenCV | nodeRed | Fritzing  
LabView | Cura | Simplify | PrusaSlicer

## 🌐 LANGUAGES

Arabic	<div></div>
English	<div></div>
French	<div></div>
Spanish	<div></div>