



# Maroun EL KATTAR

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in Maroun EL KATTAR

## 👤 PROFILE

Dedicated and motivated engineer looking for a 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

Salhie, Lebanon

## 💼 PROFESSIONAL EXPERIENCE

### Laboratory teaching assistant

La Sagesse University-Polytech Beirut

10/2022 – present

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
- Acquired teaching skills
- 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

06/2022 – 09/2022

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

02/2022 – 05/2022

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

01/2022 – 02/2022

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

2020 – 2022

Freelancer














- Planning Smart Home Services.
- Energy Management
- Home network
- Home Automation

### Electrician technician




2015 – 2017

Freelancer

## CERTIFICATES/COURSES

<b>Introduction to self-driving cars</b>  <i>University of Toronto through Coursera</i>	2022
<b>Solar Energy Systems Overview</b>  <i>By University of Buffalo through Coursera</i>	2022
<b>Robotics Specialization</b>  <i>University of Pennsylvania through Coursera</i> <ul style="list-style-type: none"><li>Robotics: Aerial Robotics </li><li>Robotics: Computational Motion Planning </li><li>Robotics: Mobility </li><li>Robotics: Perception </li><li>Robotics: Estimation and Learning </li><li>Robotics: Capstone </li></ul>	2022
<b>Oracle Database Foundation</b>  <i>by Learn Quest through Coursera</i>	2022
<b>Improve Your English Communication Skills Specialization</b>  <i>Georgia Institute of Technology through Coursera</i> <ul style="list-style-type: none"><li>Write Professional Emails in English </li><li>Speak English Professionally: In-Person, Online &amp; On the Phone </li><li>Build Your Professional ePortfolio in English </li><li>Take Your English Communication Skills to the Next Level </li></ul>	03/2022
<b>Microsoft 365 Fundamentals(3 of 3 courses)</b>  <i>By Microsoft through Coursera</i> <ul style="list-style-type: none"><li>Work Smarter with Microsoft Word </li><li>Work Smarter with Microsoft Excel </li><li>Work Smarter with Microsoft PowerPoint </li></ul>	05/2022
<b>VEX123</b> 	2022
<b>DELF B2</b>  <i>Institut Français in Liban</i>	08/2021

## ORGANIZATIONS

<b>Beirut AI</b>  <i>Member</i>	2022 – present
<b>Robotshop community</b>  <i>member</i>	2021 – present
<b>Lebanese Red Cross volunteer</b>  <ul style="list-style-type: none"><li>Ambulance driver EMS</li><li>MCI FAT: mass casualty incident</li><li>Member in search and rescue team (SAR)</li><li>Head of station youth department (2015-2016).</li></ul>	2013 – present
<b>Before We Die Club</b> <i>Founder</i> Before we die club for outdoor extreme activities (canyoning, climbing, camping).	2020 – 2021

## 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	● ● ● ● ●	English	● ● ● ● ●
French	● ● ● ● ●	Spanish	● ● ● ● ●