



Maroun EL KATTAR

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

Hardworking mechatronics engineer currently applying to masters degree, to deeping my knowledge and skills.

🎓 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

Self-Driving Cars Specialization (completed 2 of 4),
University of Toronto throught Coursera
Mar 2022

Introduction to self-driving cars , State Estimation and localization for self-driving car

Artificial Intelligence, La Sagesse University
Jan 2023

Network Engineering-Cisco CCNA 1,
Cisco throught La Sagesse University
Jan 2023

Solar Energy Systems Overview,
By University of Buffalo throught Coursera
2022

Robotics Specialization,
University of Pennsylvania throught Coursera
2022

Oracle Database Foundation,
by Learn Quest throught Coursera
2022

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

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

VEX123
2022

DELFB2, Institut Français in Libanon
Aug 2021

🏠 VOLUNTEERING

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).

Beirut AI, Member
2022 – 2023

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

💼 PROFESSIONAL EXPERIENCE

IMS LABORATORY-Internship, Mechatronics Engineer
Feb 2023 – present | Bordeaux, France
Subject of the internship "Synthesis by loop-shaping of a builder of road profiles"

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

La Sagesse University-Polytech Beirut,
Laboratory teaching assistant
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

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>