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 throught Coursera 🔗
2022

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

Robotics Specialization,
University of Pennsylvania throught 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 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

DELF B2, *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

Laboratory teaching assistant,
La Sagesse University-Polytech Beirut 🔗
Oct 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
- 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 Prusaslider
- 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
English
French
Spanish