

KARIM SHERRY

M2 Mechatronics Engineering Student
Mechatronics | Embedded Systems | Robotics

Annecy, France

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Profile

M2 Mechatronics engineering student combining professional embedded software experience with academic work in robotics, control, electronics and automation. Experienced in developing software for embedded systems and applying engineering concepts to robotic and electromechanical systems. Seeking a 6-month internship starting February 2027 in mechatronics, embedded systems or robotics.

Professional Experience

Embedded Software Engineer – Beyond Silicon Solutions Lebanon | May 2024–Aug 2025

- Developed firmware for STM32 and ARM Cortex-M-based systems used in optical networking products and delivered to Big Tech companies including Google X.
- Worked on 100G SFP fiber-optics modules, host boards and evaluation boards.

Embedded Software Engineer Intern – Beyond Silicon Solutions Lebanon | Feb 2024–May 2024

- Ported a Device Firmware Update (DFU) application from VB.NET to Python, enabling SFP-module firmware updates using Raspberry Pi.

Teaching Assistant – American University of Science and Technology Lebanon | Feb 2023–Jul 2023

- Assisted Python and C++ programming laboratories to first and second year undergraduate students.

Education

M1-M2 Advanced Mechatronics Sep 2025–Expected 2027

Polytech Annecy-Chambéry, Université Savoie Mont Blanc – Annecy, France
International Master taught in English.

BSc Mechatronics Engineering Feb 2021–Feb 2024

American University of Science and Technology (AUST) – Lebanon

Technical Skills

Programming: Python, C++, Embedded C, MATLAB

Software: Git, Linux, Docker, ROS2, Doxygen, SolidWorks, .NET, Microsoft Office

Soft Skills: Team collaboration, public speaking, curiosity, time management

Projects

Eurobot Mobile Robot – Team Project

- Worked on a mobile robot for the Eurobot competition in a 4-person international team using ROS2, Python and image-processing techniques.

Computer Vision for Meta Quest 3 – Project

- Developed a computer vision application for the Meta Quest 3 for object detection and distance measurement in a biomedical application.
- The project was a part of a bigger research project conducted at the SYstems and Materials for MEchatronics (SYMME) laboratory.

Energy Management System – Bachelor Capstone Project

- In a 4-person team, built a device that tracks the energy consumption of home appliances and allows for wireless tracking, control and fault prediction.

Additional Experience

Glacier Perrière – Student Job Annecy, France | May–Oct 2026

- Provided customer service in French and English in a fast-paced environment.

Volunteer – Donner Sang Compter Lebanon | 2019–2021

- Participated in blood donation drives and call centre.

Languages

English – Bilingual | French – Working proficiency | Arabic – Native

Personal Interests

Live music performance - coorganized my own concerts | Football | Calisthenics | Volunteering