

## MOHAMAD MOURAD

Lebanon

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### PROFILE

A Mechatronics Engineering graduate from the Lebanese American University and Certified SolidWorks Associate, experienced in CAD and Mechatronics Systems. I demonstrate strong problem-solving and communication skills. I am quick to acquire advanced skills and adapt to new environments.

### EDUCATION

From 09/2018 to 12/2023	Lebanese American University Bachelor in Mechatronics Engineering	Byblos, Lebanon
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### EXPERIENCE

From 01/2025 to Present	<b>Saccal Sigma</b> Position: Electro-Mechanical Engineer Intern <ul style="list-style-type: none"><li>Designing electrical schematics and maps using CAD tools.</li><li>Assisting in disassembling, maintaining, and reassembling generator parts.</li><li>Supporting site engineers and technicians in troubleshooting technical issues.</li><li>Supporting senior engineers in their tasks.</li></ul>	Beirut, Lebanon
From 02/2025 to 02/2025	<b>BAAL Artisans</b> Position: 3D Printing Trainer <ul style="list-style-type: none"><li>Educated employees about Slicer Software.</li><li>Provided employees with hands-on training on industrial 3d printers.</li></ul>	Beirut, Lebanon
From 06/2024 to Present	<b>Self Employed</b> Position: CAD and 3D Printing Engineer <ul style="list-style-type: none"><li>Designing custom models using CAD tools.</li><li>3D printing products for clients.</li><li>Staying updated on technological advancements.</li></ul>	
From 05/2023 to 08/2023	<b>3D Maker Shop</b> Position: Mechatronics Engineer Intern <ul style="list-style-type: none"><li>Created 3D models and assemblies for mechanical design using SolidWorks.</li><li>Integrated Arduino and microcontrollers in project solutions.</li><li>Conduct simulations such as stress analysis on 3D models.</li><li>Used 3D printers for prototyping and testing design concepts.</li><li>Prepared and provided technical reports and documentation.</li></ul>	Beirut, Lebanon

### PROJECTS

**Artemis: Adaptive Dependents Care System:** Built a care system that monitors infants or pets in the absence of adults. This project incorporates 3D design, 3D printing, computer vision, front-end and back-end development, and the integration of control systems (Raspberry Pi, Arduino, sensors, and actuators). The system keeps the subject under constant surveillance, detects potential dangers or emergencies, and notifies the user through an interactive phone application. [Project Video Demo](#)

### SKILLS

**Languages:** Fluent in English, Arabic, and French (writing, reading, speaking).

**Technical Skills:** Embedded Systems, Computer-Aided Design, MATLAB, SolidWorks, Python, PID Control, 3D Printing, Kinematics, Linux, AutoCAD, Fusion 360, Git, Java, SQL, MS Word, Excel, PowerPoint.

**Soft Skills:** Problem-Solving, Troubleshooting, Communication, Research, Attention to Detail, Time-Management.

### Awards and Certifications

- [“Most Innovative Development Project” by Murex for the “Artemis: Adaptive Dependents Care System”, 2023.](#)
- [Certified SolidWorks Associate, 2021.](#)