

Roula Matta

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Mechanical Engineer

PROFILE

Passionate Mechanical Engineering student with a strong foundation in design, manufacturing, practical critical thinking, and strong attention to detail, seeking an internship to apply technical knowledge into real-world impact and contribute to innovative engineering solutions.

EDUCATION

Lebanese American University, Byblos —
Bachelor of Engineering in Mechanical Engineering
September 2022 – expected May 2027

Collège de la Jeune Fille du Liban, Beit Habbak-Byblos —
Lebanese Baccalaureate in General Sciences (Graduated on the Honors list)
September 2021 – June 2022

EXPERIENCE & TRAINING

Cadis Packaging Company, Hosrayel, Lebanon — Maintenance Intern
June 2025 – August 2025

- Maintained packaging and printing machines.
- Assisted in scheduled machine maintenance repairs.
- Learned basic printing principles and its mechanical numerous systems.

Scout Saint Peter, Byblos, Lebanon — Member and Leader
January 2011 – May 2022

- Achieved a decade of experience in Scouts, developing strong leadership, communication, and teamwork skills.
- Led and coordinated group activities, ensuring smooth and efficient execution.
- Operated effectively under pressure, maintaining clear communication and taking calculated action.

Planting Robot: (Project)

- Integrated ultrasonic sensors for accurate obstacle detection and path navigation.
- Designed the mechanical chassis and seed dispensing mechanism using CAD tools.
- Developed a LabVIEW-based control system that automated the planting process, incorporating both manual and automatic operation modes.
- Collaborated in a team of four to combine mechanical design and electronic systems into a functional prototype.

Automatic Umbrella with Rain Sensors: (Project)

- Designed a sensor-driven mechanism using rain detection and servo actuation.
- Applied kinematics and control system concepts to achieve smooth, reliable motion.
- Fabricated and assembled components using 3D printing and machining techniques. Focused on energy efficiency and compact design for practical everyday use.

LANGUAGES

Arabic (B2), English (C1), French (B1)

TECHNICAL SKILLS

MATLAB, AutoCAD, SolidWorks, EES, Microsoft package

HOBBIES & INTERESTS

Martial art (Muay Thai, Taekwondo, Self-defense), Dance, Scuba diving