

Ramez Abu Zahr

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Professional Summary

Motivated and detail-oriented Mechatronics Engineering student seeking an internship opportunity to apply and enhance my technical skills in robotics, programming, and automation within a dynamic engineering environment.

Experience

Engineering Intern, The Little Engineer (May 2024 – August 2024)

- Taught classes on Arduino, Robotics, and Coding to students.
- Assisted in curriculum development and classroom organization.

Work-Study Student, Student Affairs Office, RHU (2022 – 2023)

- Organized student files and campus events.
- Created QR codes and digital surveys.
- Supported administrative problem-solving tasks.

Education

Rafik Hariri University, Mechref, Lebanon (2020 –2025)

Bachelor of Engineering in Mechatronics Engineering.

- Dean's Honor List recipient.

Najd National School for Boys, Riyadh, KSA (2017 – 2020)

- Graduated with Honors.
- First Place, Hussam Al Hariri Prize.
- A-Levels: Math (A), Physics (A), Biology (A), Chemistry (A).

Technical Skills

- Microsoft Office Suite (Word, PowerPoint, Excel)
- AutoCAD, SOLIDWORKS, Proteus, MATLAB, Helioscope

- ROS2, Arduino, TIA Portal & PLC, Raspberry Pi
- Programming Languages: C++, Python

Soft Skills

- Communication and Interpersonal Skills: Proven ability to work in and lead teams, manage tasks efficiently, and deliver projects on schedule.
- Critical Thinking Skills: Skilled at diagnosing design inefficiencies, evaluating relevant data, and researching innovative solutions to complex engineering problems.

Languages

- Arabic (Native)
- English (Fluent)
- French (DELF B2)

Leadership & Volunteer Experience

- Vice President, RHU Feminist Club (2020–2023)
- President, RHU Debate & Public Speaking Club (2022–2023)
- Organized university events: bake sales, fundraisers, student elections
- Participated in class project planning and execution
- Volunteered with LiveLoveSaida beach clean-up initiatives

Student Projects

- Final Year Project: Automated paint mixing machine using Arduino, including mechanical design with SOLIDWORKS.
 - Mechatronics System Design Project: Coffee maker machine.
 - Microcontrollers Project: Smart greenhouse featuring soil moisture, temperature monitoring, and manual control.
 - Renewable Energy Project: Designed a solar power system using Helioscope software.
 - PLC Project: Developed an elevator system for a 6-story building using TIA Portal and PLC programming.
 - Smart House Project: Implemented home automation using ROS2.
- Fluid power project: I built a hydraulic crane that operates with a pump and a motor valve to lift and move a load.

References

Available upon request.