Mahdi Zein Al Dine

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Overview

Senior Mechatronics Engineering student at LAU with a strong academic record, leadership experience, and hands-on project involvement. Passionate about innovation, technology, and the theoretical foundations of engineering. Advocate for student rights and active in extracurricular activities. Taking additional mathematics courses, including Linear Algebra, Numerical Methods, and Partial Differential Equations, to strengthen analytical foundations and prepare for future research opportunities.

Education

Lebanese American University (LAU), Byblos, Lebanon　　　　　Aug. 2023 – (Expected May. 2027)
Bachelor of Engineering (BE) in Mechatronics Engineering
CGPA: 3.91/4.0
Dean's Honor List

Experience

Academic Tutor – LAU, Beirut　　　　　Feb. 2024 – Present

- Provided academic support in core Engineering and Mathematics subjects, adapting to diverse learning styles
- Completed 80+ hours with the official academic success center and 200+ hours of private tutoring

Vice President, Student Council – LAU, Beirut　　　　　Feb. 2025 – Sep. 2025

- Elected as the vice president of the student representatives at the Beirut campus
- Coordinated events and conveyed student concerns to university administration
- Developed strong leadership, negotiation, and interpersonal skills through active engagement

Intern, Summer Internship Program – AEE Lebanon　　　　　Jul. 2025 – Aug. 2025

- Participating in a training-oriented track focused on sustainable facility management
- Attending classes and coducted projects on ASHRAE standards, HVAC systems, BMS, and energy efficiency
- Gaining insights into lifecycle planning, O&M strategies, and sustainability best practices

Extracurricular Activities and Clubs

Clubs and Societies: IEEE, IFAC, Engineering Club, Human Rights Club
Competitions: 3rd Place - Raspberry Pi Competition (IEEE Lebanon Section, 2025), WRO-Future Engineers(Lebanon, 2025), Microelectronics Olympiad (Silicon Cedars, 2025), Integration Bee (AUB, 2024)

Selected Projects

AM Demodulator Receiver

- Designed, simulated, and built an AM receiver for Electronics Lab
- GitHub Repository

Magic Switching Logic Machine

- Designed and built a digital switching machine for Logic Design Lab
- GitHub Repository

Ni-Cr Alloys: A Literature Review

- Conducted an in-depth review on Ni-Cr alloys for biomedical use and material property analysis
- Read the Paper

Skills

Languages: Arabic (native), English (proficient)
Technical: Office, GitHub | Java, Python, C++, Assembly | Arduino, Raspberry PI | MATLAB, LaTeX, SPICE, Quartus, AutoCAD | Photoshop & Premiere