

Ali Daaboul

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EDUCATION

RAFIK HARIRI UNIVERSITY

Bachelor of Engineering in Mechatronics Engineering

Cumulative GPA: 3.2

Relevant Coursework: Automotive, Automation, CAD/CAM/CAE, Smart Energy, 3D Design, ROS 2, Microcontrollers, Mechatronics Systems Design, C++, Manufacturing process, Control System Design.

Mechref, LB

September 2021- May 2025

WORK EXPERIENCE

Mechanical Engineering Internship at Rasamny-Younis Motor Company, GMC

Beirut, LB

May/6 2024- June/21 2024

- System faulty diagnostics
- Learn about the system schematics and apply them to change repair specific components in a variety of vehicles.
- Rebuild several V8 ICE
- Quick service GMC vehicles specifically, and other GM vehicles occasionally.

Mechanic Assistant

Bchamoun, LB

May 2023-August 2023

- Learn about system diagnostics via usage of a car scanner (Mercedes)
- Assisted in changing various parts in Mercedes vehicles.

Previous work

- Tutoring high school students grades 7,8,9,12.
- Summer Camp Monitor and Team leader

PROJECTS

Smart Interactive Study Desk

- Design and implement a multidisciplinary system that provides a comfortable and healthy posture with automatic posture detection and adjustment.
- Design and innovate a tilting method to add to the degrees of freedom on the table giving the user comfortable adjustability options.
- Notetaking capabilities that allow users to write on the table and transfer their handwritten notes from paper to their notes on a custom-made web app for the table with a user-friendly graphical interface.
- Built in features that allow the user to immerse themselves in a work state mindset and focus on the tasks at hand, increasing productivity of the user.

Automotive Engineering Projects

- Calculate engine output torque by performing full ICE thermodynamic cycle analysis and crank/piston kinetic analysis.
- Design a functional flywheel to smoothen output torque fluctuations.
- Design a multi-speed transmission system.

Light Tracking Robot

- Design a system that can support light sensors and move with 2 DOF to accurately follow a given light source.
- Design a code that can read and follow light smoothly using PID control.

EXTRA-CURRICULAR ACTIVITIES

RHU GAMING CLUB

President and founder of The RHU Gaming Club

Mechref, LB

Jan 2022 – September 2024

- Founded the RHU GAMING CLUB and set the bylaws to ensure that students have time for their hobbies while they

manage their university studies.

- Organized different events with more than 64 people to engage with each other in a competitive and fun atmosphere.
- Communicating and organizing with different universities to create a community with similar interests.

SCOUTS

Beirut, LB
2010- Present

Jarrah scout

- Participate in engaging activities and various events with people all over Lebanon.
- Learn about different soft skills such as: communication, teamwork, leadership skills, strength identification of people, strategizing, interpersonal strength.
- Became a scout leader that plans and implements weekly, seasonal, and annual meetings with young people to help develop their soft skills.

ADDITIONAL

Technical Skills: PLC ladder logic, MATLAB, AutoCAD, C++, LABVIEW, SolidWorks.

Computer Skills: Microsoft Word, PowerPoint.

Soft Skills: Time Management, Communication skills. Public speaking, Teamwork.

Languages: Fluent in Arabic and English.