

# Carla Abou Hadir

Mechanical Engineering

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## OBJECTIVE

As a current student at the Lebanese University specializing in Mechanical Engineering with a strong interest in automobiles, rockets, machine learning, artificial intelligence, and general mechanical engineering fields, obtaining an appropriate internship in a prominent company is critical to continuing my education.

## EDUCATION

### Mechanical Engineering

Lebanese University

Rank: top 10% (79.13/100)

09/2020 – Present

Courses

- Mechanical Engineering: Fluid Mechanics in ME, Mechanics of Materials, Kinematics and dynamics of machinery, Science of Materials, Technical Drawing, Hydraulics, Gas Dynamics, Heat Transfer.
- Common Trunk: Math Sup, Math Spé, fundamental knowledge in mathematics, physics, programming.

### Baccalaureate in General Sciences

Beirut International School

09/2018 - 2020

## PERSONAL PROJECTS

Design and assembly of a 3D-mechanical system using Fusion 360

03/2023

- Designed a detailed CAD model of the prosthesis using Fusion 360, including stress analysis and optimization for 3D printing. Used Fusion 360 to perform virtual testing and prototyping, resulting in a functional and low-cost prosthesis design.
- Skills used: Fusion 360 CAD modeling, stress analysis, 3D printing optimization.

## EMPLOYMENT

### Tutor

2020 - 2022

Tutoring high school and engineering students by helping with their courses and assignments.

## EXTRACURRICULAR ACTIVITIES

### Volunteer

08/2020

Beirut, Lebanon

Helped gather food and clothes for people in need.

Helped clean streets and damaged houses.

### Animal Welfare

2019 - 2020

Aley, Lebanon

Feeding and sometimes finding shelter for stray dogs and cats.

### Volunteer

2019

Beirut International School

Planting trees, beach cleaning.

## SKILLS

Autodesk Fusion 360: drawing, assembly, simulation, rendering.

AutoCAD Mechanical, 2D, 3D: technical drawings.

Industrial Design, MATLAB.

C (Programming Language).

Confidence, Reliability, Independence, Leadership, Critical Thinking, Team Management

## LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

French

Limited Working Proficiency

Spanish

Elementary Proficiency

## INTERESTS

Equestrianism

Football

Chess

Flute