

# Elie AL Makdissi

Address: Byblos-Blat

Phone number 76/468217

Permanent Address: Bkerzla Akkar

## Education

**Lebanese American University**, Byblos, Lebanon

Expected Graduation: Spring 2023

B.E in mechanical engineering. GPA: 3.25

**Ecole Nationale Orthodoxe**, Cheikhtaba, Akkar

2019

Lebanese Baccalaureate in General Science 17.65/20

## Projects

### Ball toss

Built a ball toss, mounted by an electric motor from scratch for a physics project

Assisted and Supervised the process of making gears and welding parts at a workshop

Assembled all the parts together

Performed all the calculations and calibrations

### Smart Refrigeration Box

Designed a smart box with refrigeration and humidification capabilities to ensure a safe food transportation

Modeled the design on Solidworks

Simulated the operations and the sensors using LabView

### Forklift

Modeled a Forklift on Solidworks

Simulated the motion on Matlab using Kinematics equations

Performed all the necessary calculations

### Amphibious car

Designed and simulated a car that operates in both land and water with all the necessary calculations using SOLIDWORKS

## Club memberships

### American Society of Mechanical Engineers LAU Chapter

Active international member from 2019 till now

Attended many workshops, seminars and webinars

### LAU automotive club

Attended several technical workshops

Met different experts from the field

### MAM Bkerzla

Organized several volunteering events

## Skills

Mechanical design - Fluid mechanics - Control systems - Mechanical vibrations - Solidworks – Autocad – Java – Matlab – Python – Excel – Problem - Solving skills - Technical workshop basic skills

## Work Experience

### Office Assistant at the Financial Aid Office

Organized papers and students' files

### P.O Box Assistant

Called students who receive mails and packages

Organized the received packages