

Mohammad R. Ayoub  
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# Mechanical/Industrial Engineer

## Professional Experience:

Oct 2013 present	<b>Design and Manufacturing Engineer @ ALPHA Engineering</b> <i>Mechanical and machine design, Plastic Injection Mold and part design, Shop drawings, manufacturing process supervision, CADD.</i>
2016	<b>Design and Modelling plexi(acrylic) products. Freelance Job @ ThePlexiStore.</b>
2016	<b>Design and Manufacturing of several mechanical parts (couplings and servo holders). Freelance Job.</b>
2017	<b>Product prototype design and modelling. Freelance Job @ Musical Lights.</b>
2018	<b>Design of wearable medical device @ GlucoZ</b>
2019-2020	<b>Machine design @ Robocom VR</b> <i>Mechanical and CAD design, assembling, manufacturing supervision and control, of VR game machines</i>

## Education:

Sep 2009 Aug 2014	<b>Mechanical Engineering/Construction (good)</b> <i>Lebanese University, Faculty of Engineering</i>
July 2009	<b>Lebanese BAC – General Sciences (good)</b>

## Skills and Qualifications:

Machine design	3D modeling (proficient in SolidWorks), Drafting (shop drawings), Simulation (SolidWorks, Ansys). Design and preparing manufacturing files for various manufacturing techniques (sheet metal, cnc files)
Measurement and inspection	Quality control tools, measuring instruments, gages and fixtures, etc.
Injection molding	Part design for injection molding and 3d printing, Mold tool design, MoldFlow simulation, manufacturing and assembling supervision.
Languages	English, Arabic, French.
Computer Skills	Proficiency in Microsoft Office (Word, Excel), basics in adobe illustrator and photoshop, basics in Python.

## Projects:

2013-2014	FYP: Spring Coiling Machine ( <b>LIRA 11 first place prize</b> )
2014	Design and manufacturing supervision of a mixer.
2015	Plastic housing injection mold, a project of 3 separate parts
2016	Design and implementation of several injection molds
2017	Electronic housing design for musical Light
2018	GlucoZ- medical wearable
2019	Transformers VR machine, preliminary design for 720 Machine