

Mahmoud Al Abed

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Work Experience

MECHATRONICS DEVELOPMENT ENGINEER | TAYYEBAT | MAR 2022 - PRESENT

- Machine design (Autodesk Inventor).
- Finite Element Analysis (FEA)
- 3D modeling.
- Reverse engineering.
- PLC programming (Siemens).
- Pneumatic systems.
- Providing technical inspection for machines along the production line.

CAR ELECTRICIAN | HARIRI | JUL 2017 - SEP 2017

- Training.

AUTOMATIVE MECHANIC | RAI MECHANIC SHOP | JAN 2015 - OCT 2016

- Removing and disassembling transmission units.
- Diagnosing for cause of malfunction.
- Performing defective parts repair and/or replacement.

Education

BACHELOR OF SCIENCE | FEB 2022 | AMERICAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (AUST)

- Major: Mechatronics Engineering.
- Made it to the list of distinguished students with a cum GPA: 3.53/4.
- Related coursework/Projects:
 - Heidelberg GT052 Lubricating System with PLC ladder program.
 - Mechatronics system of an airplane.
 - Designing a 5-degree of freedom robotic arm
(<https://www.youtube.com/watch?v=HvCE5Fu0oCs>).
 - Self-Balancing Robot.
 - Variable output power supply.

HIGH SCHOOL BACHELORATE | AUG 2018 | ADVANCED VOCATIONAL INSTITUTE (AVI)

- Major: Car Electro Mechanic.
- Grade: 15.6/20 (2nd highest grade in Lebanon).

Skills & Abilities

- Siemens Logo & S7 1200 PLC
- Reverse Engineering
- 3D Modeling (Autodesk Inventor)
- Machine Design
- Design of Robotic arm with multiple Degrees of Freedom DOF
- PLC programming
- Pneumatics systems
- Arduino IDE
- C++ & python

Languages

- English: fluent
- Arabic: native speaker