



CONTACT

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ADDRESS:

Beirut, Lebanon

SKILLS

Software:

- ANSYS
- CAPS Fan Selection
- Grundfos Wincap Selection
- Hap
- MATLAB
- McQuay
- Psychometric Analysis
- Pumps Selection (Lowara pumps software)
- REVIT
- SolidWorks
- VRV Selection
- Pipe flow advisor

KHALIL EL DAOU

MECHANICAL ENGINEERING STUDENT

EDUCATION

Beirut Arab University

Mechanical Engineering: 4th year

Expected graduate June 2022

Iman High School

Lebanese Baccalaureate in General Sciences 2003 - 2018

MAIN COURSES

Pump Technology

Renewable Energy

Hydraulic

Fluid System Design

Heat Transfer

INTERNSHIP

Associated Mechanical Engineers

Beirut, Lebanon

from December 2021 to February 2022

2 months

Staunch Machinery

Saida, Lebanon

from July to August 2021

1 month

Électricité du Liban

Jiyeh, Lebanon

From August to October 2021

2 months

WORKSHOP & CERTIFICATES

Plumbing Design Basic Workshop

- Water distribution (pipe sizing, water consumption, pump calculation, water heater types, pumps selection software, filtration systems, solar system)
- Drainage Networks
- Rainwater networks

Languages:

Arabic (Native),
English (Fluent),
French (Intermediate)

HAP and HVAC Design Workshop

- Hap program for heating and cooling loads
- Air outlets and fans (types and selection)
- VRV selection software
- AC units selection, duct and chilled water sizing
- Boiler and chiller calculations
- Radiators and trench heater selection
- Real project applications and exercises

Swimming Pool Design Training

- Enhance the knowledge and skills related to various types of swimming pools and water features.
- Understand the design principals involved in various type of swimming pools and water features.
- Ability to read architect plans, specifications, and all design information.
- Submit final proposal including design procedure, calculations and selection of equipment ready for permit approval.
- Ability to understand operation procedure and maintenance.

SOLIDWORKS Essentials

- Demonstrate competency with multiple drawing, and modification commands in SOLIDWORKS.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industry standards in the preparation of technical mechanical drawings.
- Create Simulation of the assemblies incorporating multiple solid models.

REVIT MEP

- REVIT Software (Adding HVAC system, create and modify views, Link architectural files, create spaces and zones)

