

Holds a B. Sc. in Mechanical Engineering and is looking to gain experience in his field of education.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/06/1997
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Arab Academy for Science Technology & Maritime Transport, 2020

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: Engineering Equation Solver (EES)
: Labview
: Matlab

TRAINING COURSES AND CERTIFICATIONS

- : MEP Diploma by Engineers' House (02/2021 - 05/2021):
 - Designed 3 HVAC projects by DX (decorative and ducted) & Chilled water systems on AutoCAD & Revit as shop drawings and generated BOQs.
 - Designed based on cooling load calculations on HAP based on ASHRAE standards.
 - Designed 2 Fire Fighting Projects by Automatic Sprinkler systems (Wet and Dry) & Automatic Gas systems on AutoCAD & Revit as shop drawings.
 - Hydraulic Calculations done on Fire Elite and Designed based on NFPA & Egyptian Code.
 - Designed 1 Plumbing Project by Water Supply & Drainage systems on

- AutoCAD & Revit as shop drawings.
- Designed based on ASPE, UPC, NSPC & Egyptian Codes.
- : Training at Rabie Al Takyeeef Factory in Riyadh, Saudi Arabia (Jan. 2021).
- : Introduction to OpenFOAM by Virtual Flow (08/2020).
- : A Human Behavior Approach to Net Zero Energy Buildings Seminar by ASHRAE (06/2020).
- : Car Modeling through Multi-Body Dynamics using MSC ADAMS by EOSTRACK (03/2020).
- : Attendance of LEED & District cooling and 8 other seminars at HVAC R EXPO SAUDI (02/2020).
- : Gas Turbine Engine Familiarization by Egypt Air (09/2019).
- : FSAE Italy Certificate of Participation by ANFIA (07/2019).
- : Certificate of Participation by Robo Games (11/2017).
- : IELTS Academic score: 6.5 (08/2016 - 08/2018).

Skills:

- HVAC Systems Design.
- Fire Fighting Systems Design.
- Plumbing Systems Design.
- Hourly Analysis Program (HAP).
- Revit.
- AutoCAD.
- ASHRAE Duct Fitting.
- Fire Elite.
- Design Builder.
- Pipe Sizer.
- Duct Sizer.
- Duct Drawer.
- Computational Fluid Dynamics.
- Finite Element Analysis.
- Solid Works.
- Solid Edge.
- Ansys Workbench.
- OpenFOAM.
- Paraview.
- Ubuntu.
- C & C++.
- Comsol.
- MSC ADAMS.
- MSc Apex.

Graduation Project:

HVAC System with Absorption Chiller Unit supplied by Solar Energy. Net Zero Energy Building Concept.