

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/06/1996
Gender : Male
Residence : Manial, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2019

LANGUAGES

Arabic : Native Language
English : Excellent
French : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Visio
: MS Project
: Matlab
: EES (Engineering Equation Solver)
: ANSYS
: AutoCAD
: Solid Works (Modeling (sketch - features) - Sheet metal - Assembly - Drawing - Simulation - Flow simulation)
: Revit
: GearTrax (Gears design)
: TRNSYS (Hybrid Solar Systems Simulation)
: PVsyst (PV Solar Systems Design)

TRAINING COURSES AND CERTIFICATIONS

: SBS, MEP Intern (from Mar. 2021 till now): Design of HVAC, Firefighting and Plumbing systems using REVIT.
: Oil & Gas Industry Operations and Markets, Duke University (Feb. 2021).

- : PETROJET - Kozzika Metro Station site (Aug. 2018).
- : Cairo Electricity Production Company, Shoubra El-Kheima Power Plant (Jul./Aug. 2018): Field training, theoretical and on-site, in the operation, inspection, maintenance and control of various systems of the power plant. That included pumps, steam turbines, stand-by gas turbine, furnace, drum, condenser, ...etc.
- : Mechanical & Electrical Department Shoubra El Mezallat (Jul. 2018): Operation and maintenance of irrigation and waste water pumps.
- : Tiba Solar micro-factory (Aug. 2017): Learned how to design on-grid & off-grid solar energy systems, load estimation, PV modules production processes monitoring, off-grid system installation.
- : Arab Organization for Industrialization Helwan Diesel Engines Co. (Jul. 2017): Learned about different industry technologies (Machining - Reverse engineering - Material analysis - Heat treatment).
- : Banha Electronics Co. (Aug. 2016): Learned about different industry technologies (Machining - Plastic injection - Introduction to pneumatic systems - Refrigeration - PV assembly line).
- : Field visits:
 - Helwan Iron Foundry.
 - Juhayna El Dawleya Juices Factory.
 - Juhayna El Masreya Dairy Co.
 - AUC Thermoacoustics Lab.
- : Robotics workshop.
- : Omnipreneurship training at BARQ.
- : SYSTEMS Customer Service Online Course.
- : French: A2.

Graduation Project / Publication:

Sizing and simulating the performance of a standalone solar water pumping and pasteurisation system for remote Egyptian oases – A. Youssef, A. Hesham, O. Ahmed, O. Tarek, M. Maged, M. A. HASSAN, A. Khalil – The 18th International Conference on Sustainable Energy Technologies, Malaysia, paper no. 265 - Our graduation project was published in SET 2019, Kuala Lumpur, Malaysia.