

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

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : El-Rehab City, New Cairo

EDUCATION

- : B. Sc. in Mechanical Power & Mechatronics Engineering, The American University in Cairo (AUC), 2015
- : Secondary Education: Thamer International School, Jeddah, Saudi Arabia, 2008

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : MITCALC, CES
- : AutoCAD, Solid Works, MATLAB, RSLogix (PLC)

TRAINING COURSES AND CERTIFICATIONS

- : Technical Intern, Al Mottahedoon Pharma, 10th of Ramadan Industrial City, (Aug. 2013 and Aug. 2014):
 - Inspected and maintained, along with a senior engineer, a blow-filling-sealing plastic machine.
 - Analyzed the code of the PLC unit that used to run the machine using RSLogix and simulated it on a computer.
 - Observed and learned, with a quality control engineer, the quality control methods for syringes.

CAREER RELATED PROJECTS:

- Efficiency Enhancement of PV Modules, Thesis (Fall 2013-Spring 2014):
 - Enhanced the efficiency of PV modules through attaching different types of heat sinks at the back of the modules e.g. (rectangular, and concave parabolic spines).

- Measured the temperature of the modules every 15 minutes every day long for a whole week.
- Calculated the amount of heat loss with and without the heat sinks.
- Hybrid Renewable Energy Systems, Design of Renewable Energy Systems (Spring 2014):
 - Designed a 50 kW hybrid wind-PV-diesel standalone system for field hospitals in remote sites.
 - Calculated the radiation power of the sun for the year taking a single day as an average for the month.
 - Computed the amount of modules needed and designed its arrangements according to the amount of power output required.
- AUC Energy Project, Applied Thermodynamics (Spring 2012):
 - Researched different Energy production methods that could be implemented at AUC, renewable and non-renewable.
 - Computed the amount of energy consumed per month of the campus according to given data.
 - Applied a process of elimination among methods to choose the best one according to the power consumption of the campus, feasibility, and land usage.