

Holds a B. Sc. in Mechanical Power Engineering and has gained some experience working as Workshop Engineer and Technical Support.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/03/1993
Gender : Male
Marital Status : Single
Residence : Gharbia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University

LANGUAGES

Arabic : Native Language
English : Fluent
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab
: Labview programming

TRAINING COURSES AND CERTIFICATIONS

- : QARUN PETROLUM COMPANY (Sep. 2015):
 - Gas turbine components, design, calculations and maintenance.
 - Different pumps design and their mechanisms.
 - Toyota diesel engine rebuild and maintenance.
 - Hydraulic and pneumatic systems.
- : West Delta Electricity Production Company (Aug. 2015):
 - Gas turbine components and maintenance.
 - Hydraulic lifter components & mechanisms.
- : EGYPTIAN NATIONAL RAILWAYS (CAIRO FARZ) (Aug. 2014).
- : Egyptian Railways Maintenance & Services Co. (Cairo Pulaq) (Aug. 2014).
- : Central Delta Railway Services (Aug. 2013 & Jan. 2014):
 - Diesel power plant components and cycle.
 - Turbocharger and super charger design and maintenance.

- Hydraulic and pneumatic control circuits.
 - Diesel fuel systems and governor.
 - Control systems and maintenance.
- : Cairo Oil Refining Company (CORC) Tanta Branch (Jul. 2014 & Jul. 2015):
- Basic & Detailed Engineering Design.
 - Local Fabrication of (Towers, Pressure Vessels, Heat Exchangers).
 - Construction & Erection of Refining Equipments maintenance.
 - Equipment Maintenance and Technical Service.
 - Diesel engine & hydraulic circuits maintenance.
 - Inspection & Quality Assurance.
- : West and Central Delta for Transportation at Meet Hepaish (Sep. 2014):
- Maintenance of every part in the engine.
 - Diesel fuel system & test rig.
 - Turbocharger & waste gate.
 - Power train & transmission.

CHRONOLOGICAL EXPERIENCE RECORD

Employer : Nissan Co.
Job title : Workshop Engineer & Technical Support

Projects (during education):

- HCCI Engine Optimization & Control (Graduation Project):
 We are working to set up a powerful control system for a new type of internal combustion engines with high efficiency and emissions close to zero. We use (DAQ) card that we program it by using Lab view program. According to that we will achieve three important aims:
 - Increase engine efficiency to 50% while traditional engine efficiency is up to 23%.
 - Protect the environment from dangerous pollution and emissions of traditional engines especially NOx.
 - Another type of fuel can be used such as Biofuels.
- Global Hybrid Electric Challenge in Egypt Official Competition 2016 (Mar. 2016): I was a member in Tanta University Team (TUT) which participated in the competition of Global EEE in Hurgada this year, I was a technical official of the team, the best thing I learned from this challenge is how can I manage my energy and energy of any machine.
- Shell Eco-marathon Asia 2016 (Mar. 2016): I was a member in the team and I learned how to increase the efficiency of the engine and how to get possible solutions for any problem in the practical work. We made the designs to make the car light in weight and then choose a suitable engine and power train for this weight. We achieved the required fuel consumption.
- Formula Student Competition in Russia and in England 2014: I was the leader of the engine team. I gave lectures in new engine technology, turbocharger, fuel system and VVT & VVL.