105687-MEC-F-E-2017
Mechanical Engineer

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

PERSONAL DATA

Nationality	:	Egyptian
Gender	:	Male
Residence	:	Nasr City, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Misr University for Science & Technology, 2017

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Solid Works
: EES
: AutoCAD
: Matlab/Simulink

TRAINING COURSES AND CERTIFICATIONS

: Fluid Mechanics I & II.
: Mechanical Design I & II.
: Tool and Die Design.
: Leadership & Management.
: Power Plant.
: Wind Energy.
: Turbomachinery Training Course at WECTC: Learn about pumps and Gas compressors & Turbine components and machines alignments and troubleshooting and maintenance.
: Aircraft Performance Familiarization course at Egypt Air: Learn about Overview on Aerodynamics & Flight Controls,Take Off characteristics, En-route characteristics and Landing characteristics.

: Gas Turbine Engine Familiarization Course at Egypt Air: Learn about Gas Turbine Engine Fundamentals, Gas Turbine Engine Components, Gas Turbine Engine Performance and Specification, Gas Turbine Engine Systems, Gas Turbine Engine Maintenance, Gas Turbine Engine Design / Manufacturing / Developments and Workshop Visit - Engine Overhaul Workshops.

: Workshops:
- Earth day organized by Ministry of Environment.
- Creativity and Entrepreneurship organized by Social Fund for Development.
- Engine Overhaul Hangar at Egypt Air Maintenance and Engineering Co. (Jet Engine Mechanical Maintenance Engineer).
- Engine Testing Room at Egypt Air Maintenance and Engineering Co. (Jet Engine Test Engineer).

: Mechanical Engineer - Intern at Engineering Automotive Manufacturing Co. (Jan./Feb. 2017):
- Supervised production lines of Engine components using manual machines and CNC machine.
- Assembled a combustion engine for public transportation buses.

: Mechanical Power Engineer - Intern at Egyptian Electricity Holding Co. (Feb. 2016):
- Supervised gas turbine maintenance.
- Learn about gas turbine components and auxiliary systems.
- Supervised control system using SCADA.

Projects (during education):
- Solar Flat Plate System Design & Application (graduation project): Designed and manufactured a solar flat plate collector, piping and tank system using Solid Works, Simulink, EES and commercial products, make a pump selection according to the load needed and applying it for water heating system for hospitals.
- Progressive Tool and Die Design: Designed a several tools and dies to produce flanges and washers by calculations, Solid Works and free hand sketch.
- Stress and strain analysis for beam: Calculation analysis for beam deformation using Finite element and Solid Works.
- Gearbox Design: Designed the gears and shafts by calculations and Solid Works.
- Piping line insulation: Designed a pipe insulation by using EES.