

Holds a B. Sc. in Mechanical Engineering and has about 5 years experience working in construction and maintenance.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2019

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Matlab
: EES
: COMSOL
: Revit MEP
: Solid Works
: ANSYS
: HAP
: HTRI Xchanger

TRAINING COURSES AND CERTIFICATIONS

- : Employability Skills, University Center for Career Development (UCCD), Alexandria University (Apr. 2019): Developed communication, teamwork, leadership and presentation skills through practical activities.
- : Technical Report Writing, University Center for Career Development (UCCD), Alexandria University (Apr. 2019): Learned how to write Business, Project, Progress and work plan Reports.
- : Trainings at:
 - Egypt Air (Aug. 2018):
 - Overview of Jet engines and how to tested it.

- Overview of Tire and fuselage maintenance.
- Learned how aircraft cooling system and flight control surfaces works.
- Cairo Oil Refining Company (Jul. 2018):
 - Biggest refinery company in Egypt.
 - Overview of the refining processes, company systems and final products.
 - Overview of the components of the refining process (furnaces - heat exchangers - separation towers).
 - Observed the difference between pump types used on site.
- Metro Egypt (Aug. 2017):
 - Overview of the Cooling and Ventilation system.
 - Learned how the hydraulic and pneumatic systems works.
- Egyptian International Motors (Komatsu) (Jul. 2017):
 - Overview of Diesel engines and hydraulic systems.
 - Learned how to maintain diesel engines.
 - Learned how to maintain hydraulic circuits.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2021 till now
Employer : 3M Co. for Printing Solutions and Maintenance
Job title : Senior Mechanical Maintenance Engineer
Job Description :

- Install new equipment according to customer requirements and perform initial testing and optimization procedures to ensure correct and efficient operation.
- Inspection of all operating parts to ensure proper operation within expected tolerances.
- Perform routine maintenance on equipment and assist in establishing preventative maintenance schedules with customers.
- Disassemble malfunctioning equipment when necessary to locate broken parts, and complete repairs using specialized tools.
- Provide training to end-users on the proper use and basic care for the equipment and providing constructive feedback to improve quality of work.

Dates : From Oct. 2019 till Dec. 2020
Employer : Egyptian Army
Project : Military Service
Job title : Military Mechanical Engineer
Job Description :

- Performed corrective and preventative maintenance on AS&E X-ray Machines, Perkins Generators and systems in military unit.
- Documented all repair and maintenance work performed on equipment.

Technical Knowledge:

- Pumps.
- Refrigeration and Air Conditioning.
- Compressors.
- Heat Transfer and Insulation Calculations.

- Hydraulic Circuits.
- Heat Transfer Simulation (COMSOL).
- Fluid Simulation (ANSYS).
- Maintenance and Operation of Generators.
- Thermal Equipment Design.
- Classic Control.
- Operation of X-Ray Machines and Troubleshooting.
- Manufacturing, Machining and Planning Techniques.