

Holds a B. Sc. in Mechanical Engineering and a M. Sc. in Thermal Engineering (HVAC design). Has about 6 years hands-on experience working as HVAC Design Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/05/1988
Gender : Male

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2010
: M. Sc. in Thermal Engineering (HVAC design), 2016

LANGUAGES

Arabic : Native Language
English : Excellent
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: 3D Max
: SnagIt 9
: ACDsee

TRAINING COURSES AND CERTIFICATIONS

: TOEFL IBT Certificate.
: IELTS Academic Certificate.
: Attended training in installation & maintenance of Central HVAC system (Emcor Facilities Services) in Qatar.
: Attended different courses in:

- Windows (95, 98, Millennium, XP, 7, 8.1, 10).
- MS Office (2013, 2016) (Word, Excel & PowerPoint).
- AutoCAD 2014 (Drawing Mechanical projects, machines & their parts 2D & 3D).
- Matlab (Programming some projects like mechanical mechanisms).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2013 till now
Employer : Top for Engineering Services & Consultations Office
Job title : HVAC Design Engineer
Job Description :

- Preparation of mechanical HVAC reports and drawings to ensure quality of output.
- Provide high level technical expertise when applying mechanical HVAC engineering principles, techniques and methods to the planning and design of building services projects.
- Performing heating and cooling load calculations, heat transfer, pressure calculations, and equipment selections as related to building engineered systems.
- Providing HVAC design support for engineering studies and analysis, equipment sizing/selection, code review, and various other tasks related to the design of HVAC systems.
- Knowledge of ventilation and air conditioning systems and a successful track record of delivering detailed designs to the highest international standards.
- Preparation of mechanical engineering calculations in support of systems design and bill of quantities (BOQ) for HVAC projects.
- Working knowledge of various building services design codes such as British Standards, ASHRAE, Egyptian code for HVAC and other International design codes.
- Effective use of design tools like AutoCAD, Ductsizer, Selection programs etc.
- Designed HVAC system for different buildings such as: (Dalangat hospital – Besbesh hospital – Ghabbour auto exhibition in Matrouh and Amria – San Saba Tower in Alexandria, Al Kabari Traffic legislation office.....etc.).

Dates : From 2011 till 2013
Employer : Al Safa Contracting and Engineering Consultations Company
Job title : Manager for HVAC Sector
Job Description :

- Supervise installations of HVAC equipment.
- Supervise maintenance work of HVAC equipment.
- Manage spare parts and store keeping knowledge.
- Plan and oversee the implementation of preventive maintenance programs for all HVAC equipment.
- Review and approve operating instructions and checklists.
- Site Inspection Visits: to inspect the performance of different regions during site visit.
- Design the air conditioning system for the extension corridors in Carrefour City Centre.
- Design the air conditioning system for different restaurants in Alexandria.
- Design and maintenance of the central air conditioning system for the Alexandria Medical Centre.

Air Conditioning programs:

- Carrier hourly analysis program (HAP v 4.43) (for calculating Cooling Loads).
- Copland compressor selector program.
- Bitzer compressor selector program.
- Technisolve Condenser and Evaporator design program.
- Danfoss selector program (for HVAC Accessories equipment).
- HC Heat Exchanger selection program (for selecting Condensers & Cooling units).
- Carmel Duct design program.
- Gunner Product Calculator customer (for HVAC equipment selection).