

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 3 years experience working in construction, design and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/10/1994
Gender : Male
Marital Status : Single
Residence : El-Nozha, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Video editing skills (Adobe Premiere)
: Linux and virtual operating system
: AutoCAD 2D, Ekts, Step 7 manager, Win cc manger, TIA portable
: Etap, Ecodial, Dialux, ITS PLC
: Pvsyst (software for designing the solar power systems)

TRAINING COURSES AND CERTIFICATIONS

: Internship at Schneider Electric: I've earned high experience regarding the types of switchgears, transformers, circuit breakers and gained further knowledge in the field of energy management services, short circuit current calculation, transformer protection and electrical networks.
: Internship at Sabour Consulting Company: I was part of the team responsible for creating lightning designs, sockets and LV loads using programs such as AUTOCAD, Dialux and Revit.
: Internship at Engineering Military Auth. House: I was a Trainee at two mega projects: the Suez Canal Tunnels Project & the New Administrative Capital Project.

- : Internship at Petrobel – Belayim Petroleum: I earned practical and managerial skills, having a detailed idea about how the machines are used and the sites are managed.
- : Internship at Transformer Maintenance Workshop: I learned more about the construction process of the transformers and their parts, I had fruitful experience regarding installation and maintenance works.
- : Internship at Elsewedy Electric: I had an effective role at designing cables, PLC control, SCADA systems and the process of cables' manufacturing at Elsewedy factory.
- : Internship at Arab Contractors Construction Company: I participated in the ROUBIKI Leather City project and learned more about the distribution of medium and low voltage.
- : Internship at INSTEC Company: I was part of the team responsible for installing the controlling system and upgrading PLC system for AL FAROUK factory for papers manufacturing.
- : Training on install cable termination at Pfisterer Training Centre in Switzerland: trained as a supervisor on install 145KV cable outdoor termination & 145KV GIS termination at Pfisterer Training Center in Switzerland & under supervision of Pfisterer expertise.
- : Automation Diploma course at HA Consulting Group:
 - Classic control circuit design.
 - PLC programming Basic.
 - PLC programming Advanced.
 - Inverter programming.
 - SCADA and HMI.
 - I learned more about PLC models like (Siemens S200, S300, and S400), how to make hardware configuration, software configuration for PLC, how to add HMI to the plc circuit, and how to create Scada system, how to make classic control circuits like (start-stop, reverse circuit... etc.).
- : Power system Distribution course:
 - I knew more about AutoCAD commands, indoor lighting, outdoor lighting distribution of sockets, construction of panel boards, Types of circuit breakers, how circuit breakers operating.
 - Types of cables and how to choose it, how to design panel board, air condition and its type, lifts and escalators.
 - Types of bus bar trucking, Ring main unit, transformer sizing and selection, generator sizing, U.P.S, power factor correction.
 - Short circuit calculation, voltage drop calculation, outdoor lighting, earth calculation.
 - Types of electrical shocks, purpose of earthing, feeding system according to Egyptian code.
 - Types of lifts and escalators and how to select its motor, HVAC as I learned how to distribute air condition on specific area and how to select between the types.
 - I get know more about the power factor correction calculation, voltage drop calculation, short circuit calculation.
- : Innovate Egypt Training for entrepreneurship - Sponsored by the Intel Egypt and ministry of communication and information technology:
 - I learned from this program the leadership and how to think in project and how to convert an idea to project through a specific scientific.
 - The training contained: ideation camp, the marketing and project management process, soft skills course and competition for final

- simulation projects.
- : AutoCAD certificate of course completion credited by Autodesk:
 - I have completed AutoCAD professional course with duration 18 hours at Autodesk authorized academic partner, I got clearly more information about AutoCAD program and how to use it as a professional user.
 - I generated several commercial models to different projects by detailed and created many drawings for lots of products using AutoCAD program.
- : Complete course for 3D Drawing by using Solid Works software:
 - I've finished complete online course for 3D Drawing by using Solid Works software which is helping me to create many designs for different products & projects.
 - Getting many experiences to convert from AutoCAD drawings to Solid Works which helped me to simulate physical behaviour for products as kinematics, dynamics, stress, deflection, vibration.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2018 till now
- Employer** : El Sewedy Electric
- Job title** : Design Engineer
- Job Description** :
 - Design Detailed mechanical & electrical parts and assembles for high and medium voltage products (cables, cable's accessories, joints, terminations, earthing box) according to calculation and IEC standards.
 - Establish type test for 66KV accessories (joints & termination) suitable on cable 66KV (2500 mm²) on EHVC.
 - Establish Type test for 220KV accessories (joints & terminations) suitable on cable 220KV (2500mm²) on EHVC.
 - Generating the manufacturing drawing related to the designed products using AutoCAD & Solid Works.
 - Responsible for all technical and design approval tests/solution before transfer to other department to proceed.

- Dates** : From Dec. 2017 till Apr. 2018
- Employer** : AL HAKM for contracting
- Job title** : Site Engineer
- Job Description** :
 - Generally responsible for implementations and monitoring of all electrical related works at site.
 - Ensure that all the works done are in accordance with the approved construction drawings, contract documents, project specifications, and all applicable standards whether local, national or international standard.

- Dates** : From Sep. 2017 till Dec. 2017
- Employer** : AL FAROUK Factory for paper
- Job title** : Electrical Maintenance Engineer
- Job Description** :
 - Participate in preparing and applying the corrective and preventive maintenance plans.
 - Determine and request the list of the required spare parts.
 - Measure and record all machine downtimes related to all problems.

Skills:

Familiar with international standard regulation & codes like (IEC, NEC and Egyptian code,etc.).