

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

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 03/04/1993  
Gender : Male  
Marital Status : Single  
Residence : Damanhour

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2016

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
German : Basics

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Analogue and digital electronics.
- : Microcontroller (Arduino and AVR).
- : Automation (Classic Control and PLC).
- : Introduction in Mechanical Maintenance.
- : Introduction in Gas Turbines.
- : Trainings at ALEX BANK (Construction sector), Alexandria (Aug./Sep. 2014 and from Jul. till Sep. 2015):
  - Learn how to do home warning.
  - Design low voltage boards using AutoCAD.
  - Design and Implementation of ground system.
  - Implementation of UPS, ATS, and fire circuits.
  - Practical training of the implementation of the boards in the workshop.
  - Visiting the control center of the low voltage stations and Medium voltage.

- Connect cameras, air conditioning, transformers and electrical panels on the system.
- Overview on cables, circuit breakers, data bank system, generators and transformers.
- : Training at Nubaria Power Plant (Jul. 2014):
  - Overview of the company system and visiting the control room of the company.
  - Quick session about safety in the company.
- : Training at Sidi Krir for electricity production (Jul. 2013): Overview of the company system and Visiting the control room of the company.
- : Self study (engineering software):
  - Proteus for PCB circuit design.
  - AutoCAD: 2D and 3D modeling.
  - ETAP: Short circuit calculations.
  - Dialux: Indoor and Outdoor Lighting.
  - Microsoft Office: Word, Excel and Power Point.
  - Primavera: Project planning, tracking and management.
  - Matlab and Simulink: Mathematical and technical program.

#### Engineering Projects (during education):

- Graduation Project: "Myo-electric Prosthetic Hand" (2016):
  - Worked as an Electrical Team Leader on designing a high performance, low cost 3D painted prosthetic hand with six-degree of freedom for below-elbow amputees.
  - First place in NI GSDMUSABAKA presented in "NIDays" in Lebanon by National Instruments (May 2016).
  - First place in The Scientific Contest at "Military Technical Faculty" honored by The Minister of Defense and Military Production (Aug. 2016).
  - Best graduation project at the level of the Republic universities honored by "Engineers Syndicate" (Nov. 2016).
- GMF Industrial Robot (2016): Controlling, Programming, Troubleshooting, Solving mechanical and Software the robot.
- Smart house (2015):
  - Build a model of smart house has several ways to control lighting and air conditioning system.
  - The House owns security system connected with cameras, warning and fire system.
  - All the systems in house are self-control or controlled manually by phone.
  - Won Best Project in Category at the level of the university.
- Pistrix ROV (2015):
  - Team Leader of team.
  - Winning 4th place in ROV 2015 Regional competition, hosted by Radio Egypt.
- Auto parking car (2015): One of Top 3 projects at the final year.
- Automatic and Manual IRC (2015): Winning 3th place in let's make a robot competition.
- Propeller Display (2013): Final Project for 1st year EED Logic gates based Propeller Display without microcontroller.