

Holds a B. Sc. in Mechatronics Engineering and has about 4 years experience working in mechatronics and automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/07/1991
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Mechatronics Engineering, Higher Technological Institute, 10th of Ramadan City, 2013

LANGUAGES

Arabic : Native Language
English : Excellent
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Programming PLC (Siemens step7 – LS).
: HMI.
: Programming (C/C++).
: Programming (Microcontroller course).
: Design (Solid Works course).
: Training at Egypt Air:

- Maintenance of plane.
- Types of engine plane.
- Heat and surface treatments.
- Mechanical, chemical and calibration test labs.

: Training at Abou Ghaly Motors:

- Maintenance of car.
- Service Center.
- Car motor.

: German: A1.

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : AUMA EGYPT (Arabian Telecontrol and Engineering Center (ATEC))
Atec is an engineering company specializing in electrical control of mechanical applications in various industrial sectors. Atec is an agent for (AUMA) controls in actuators.
- Job title** : Field Service Engineer
- Job Description** :
- Creating advanced communication protocols between actuator and control system (PLC) like profibus, modbus, Hart.
 - Design and manufacturing the necessary parts to mount the actuator in the valve to insure suitable operation.
 - Schedule preventive maintenance plane for each actuator.
 - Apply preventive maintenance for different types of actuators.
 - Complete overall for failure actuator.
 - Installation for different types of actuators.
 - Expert of adjustment for different type for actuator control (standard - logic control - microprocessor).
 - Electrical connection adaptation between costumer control room and the actuator.
 - Prepare the electrical connections for actuators and mechanical adjustment to ensure certain operating condition.
 - Adjust the actuator for different communication protocol according to customer needs.
 - Diagnostic for each actuator failure.
 - To present authorized training for costumer engineer and technician.
- Employer** : Industrial Technology & Measuring Systems, Egypt (ITMS)
A company working in Industrial Technology & Measuring Systems such as (control panel, plc programming, Scada systems, flow, level and pressure sensors, pumps and fire alarm.....) for oil and gas stations, water treatment stations and factories.
- Job title** : Automation Engineer
- Job Description** :
- Plc programming to control different electrical elements of water station (Motors, sensors).
 - Create plc programming according to operation instruction.
 - Making a proper survey to determine suitable elements.
 - Design, calculate and choose suitable electrical elements to create a proper control panels for water stations.
 - Execute the control panels according the customer needs.
 - Install and connect our control panel (programmable control panel) to the master control panel.
 - Installation and programming for different type of flow meter.
- Employer** : MP for road paving Industries, Egypt
A company is doing a material used in road paving.
- Job title** : Maintenance Engineer

- Field of experience :**
- Strong experience in designing system based on plc (Siemens step7 – GE – LS).
 - Good command for using C/C++/C # programming language.
 - Microsoft Visual Studio, Matlab, Solid Works, AutoCAD.
 - Interfaces/Protocols: UART, SPI, RS485, RS232.
 - Comprehensive knowledge of electrical maintenance, production processes and controls logic.
 - Familiar with Maintenance management systems.
 - Ability to prepare Operation & Maintenance Manuals.
 - Assemble, test and repair electronic PCB's.
 - Specify, install, configure Data acquisition systems incorporate signals, sensors, actuators, signal conditioning, data acquisition devices, and application software.
 - Design, built control panels using AC & DC drives, PLCs.
 - Strong experience in designing system based (PIC Microchip Family).