

Holds a B. Sc. in Mechatronics Engineering and has over 4 years experience in industrial automation projects. Excellent in control system design, machine control and automation concepts. Specialize in automation project design, mechatronics design & motion control systems.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Residence : Maadi, Cairo

## **EDUCATION**

: B. Sc. in Mechatronics Engineering, South Valley University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Solid Works & AutoCAD  
: PLC, AC VFDs, HMI and Servo programming  
: C Programming Language  
: SCADA Design & Programming  
: CNC Machines Operating, Programming & CAD/CAM Design  
: Motion Control & Industrial Communications Protocols

## **TRAINING COURSES AND CERTIFICATIONS**

: English: IELTS (International English Language Testing System) Certified 7.5 Score CEFR Level: C1 (Advanced).  
: CSWP Certified Solid Works Professional Mechanical Designer.  
: PLC Advanced Programming, Jelecom Training, Ain Shams Faculty of Engineering.  
: SCADA & HMI design and programming, Jelecom Training, Ain Shams Faculty of Engineering.  
: CNC Operating & Programming Course: Milling & Turning, Fanuc Siemens control at Arab Organization for Industrialization.  
: Programming Robotic Systems with Visual Studio, Microsoft Virtual Academy.

- : Advanced Solid Works & Solid Works Sheet Metal, CAD/CAM CIM Inc. ITC Internship.
- : Mechatronics Engineer Summer Intern at Misr Cement Factory QENA (Qift).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2016 till now
- Employer** : Egics for Industrial Solutions, Cairo
- Projects** :
- CNC Milling machine control systems design & operating at Egyptian Railway workshops
  - CNC Turning machines Control System Design & Installation at Toshiba El-Araby factories
  - PLC Programming & SCADA Design of Al-Farafarah Solar PV Power plant control system
  - PLC Programming & HMI Design of Glass Press Production line Control for Al-Gawhra Factory
  - PLC Programming, HMI Design & Servo motors Programming of VFFS Packing Machines Control for Americana Group
  - HMI Design & Servo Drive Programming for Sanofi Pharmaceutical Company
  - Toshiba El-Araby's Engineers training on Delta Servo Drives & Motors
- Job title** : Automation Control Engineer
- Job Description** :
- PLC Programming (Siemens – Schneider – GE – Allen Bradley – Mitsubishi – Delta – LG).
  - SCADA Design & Programming (Indusoft – Wincc – Delta).
  - HMI Design & Programming (Siemens – Delta, etc.).
  - CNC & Motion Control Systems Design, Programming & Installation (Siemens, Fanuc, Power Automation, Hust, Delta & Mach 3).
  - AC Servo Motors & Drives, AC Motors Drives (VFD), Stepper motor Drives Configuration & Programming.
  - Testing & commissioning of projects on site.
  - Conducting training session & courses for client engineers on Delta industrial Automation products.
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- Dates** : From Jan. 2015 till Mar. 2016
- Job title** : CNC CAD/CAM Engineer (Freelancer)
- Job Description** : CNC Parts design by CAD/CAM software (Solid Works, Powermill, Camworks and Artcam).
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- Dates** : From Jul. 2014 till Jan. 2015
- Employer** : MEQ, Qena
- Job title** : Control System Engineer
- Job Description** :
- Developing & Implementation of embedded systems based CNC control systems for Router Machines.
  - Design & Manufacturing of CNC router.