

**Osama M. M. Omara**

Automation Engineer

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Career Objective: -

To obtain a challenging and demanding job in Instrumentation and Industrial Automation, in a growth Oriented organization, and to employ the knowledge and skills acquired during the course of study to Contribute to the team effort to achieve group goals and at the same time endeavor to acquire newer and Sophisticated skills as they come.

Educational Profile: -

August 2010: **B.Sc.** in Industrial Electronics and Control Engineering, Menoufia University, Faculty Of Electronic Engineering, with final grade (**Excellent with the degree of honor**), Graduation Project in "**Advanced Automation Systems**". Grade "Excellent".

Self-Educational Profile: -**1- Industrial Automation Field.****- Application Programming Software (PLC/SCADA)**

- 1- Siemens Logo! Soft Comfort for Logo Logic Modules.
- 2- Siemens Micro Win software for S7 200.
- 3- Siemens SIMATIC WinCC SCADA Software.
- 4- Siemens SIMATIC Step7 for S7 300/S7 400.
- 5- Schneider Zelio Soft for Zelio Smart Relay
- 6- Schneider PL707 software for TSX NANO PLCs.
- 7- Schneider PL7 Micro software for TSX Micro PLCs.
- 8- Schneider Vijeo Look SCADA software.
- 9- Working with Third - Party like Wonderware-In touch and Intellution (FIX) SCADA Software's and wincc scada software.
- 10- Vipa 100 plc CPU 115.
- 11-ABB plc.

Note: I can deal with any plc and any scada by obtaining manuals and software of its .

- Industrial Communication Networks/ Protocols

- 1- Schneider/ Telemecanique Unitelway, Modbus Communications.
- 2- OPC Technology / VB Data Access / VB HMI/ MPI.

- Variable Speed Drives (VSDs)

- 1- ABB Variable Speed Drives.
- 2- Schneider Altivar 58 Variable Speed Drives.
- 3- Schneider soft starter.
- 4- Is inverter

- Process Control Systems (PCSs)

- 1- PID controller's implementation on the mentioned PLCs and Microcontrollers.

2- Embedded Systems Design

- 1- Microcontrollers
 - Microchip (PIC 16F84, PIC 16F877, PIC 18F425).
- 2- Microprocessors
 - Intel (8080, 8085, 8086, 8088).

3- Software Engineering/Programming Languages

- 1- Visual Basic 6 / Visual Basic.NET.
- 2- Exposed to C / C++ / C#.

Training Profile: -

Training in the following factories: -

- 1- EZZ Steel, Sadat City.
- 2- MISR for Sodium Carbonates, Alexandria.
- 3- Coca cola, Nasr city.
- 4- Yarn and fabric, Sadat City.
- 5- P&g 6 October city.
- 6- Training in arwa - Tec Company.
- 7- Training mobile and screen maintenance.

Note: I Interested to learn myself.

Skills Profile: -

1- Presentation Skills:

- Strong presentation, both orally and written.

2- Time Management:

- Building long term strategy plans and critical paths until key Deadlines are met.

3- Team Work

- Working in a well coordinated team work and maintaining team coordination.

4- Computer Skills

- Beside being a computer programmer, also a skilled computer User, Microsoft office, Operating system. (Windows 7, vista, XP, Me, 2000, 98, 95, DOS).

5- Foreign Lang

- English proficiency, both spoken and writing.
- Little French.

6- Organization Exhibition

- Organized control Exhibition in our faculty.

Courses Attended: -

- Electrical Engineering.
- Control Engineering.
- Electrical Power and Machines.
- Electrical and electronically measurements.
- Linear Control Systems.
- Nonlinear control systems.
- Microchip PIC Microcontrollers.
- Programmable logic controllers (PLCs) {NANO – MICRO – ZELIO}.
- Medical Electronics & Medical Instrumentation.
- Industrial electronics.
- Real time control systems.
- Digital control systems.
- Electrical and Electronic Power circuits.
- Control Systems (Fuzzy neural networks and its applications).
- And very high speed Hardware Description language [VHDL] .
- Industrial automation systems (SCADA – DCS ...).
- Applications of Industrial electronics.
- Robotics (Robotic control system) & cnc.
- Very large scale integrated circuits (VLSI).
- Advanced solid-state logic devices.
- Modern control systems (Large scale systems).
- Industrial Measurement Systems.
- Computer Vision .

References:-

Available on request.

Summary:-

Deep understanding of Electrical Engineering and Computer Science together with Instrumentations and Industrial automation, and the ability to learn quickly is our keys for Building sophisticated automation tasks.