Holds a B. Sc. in Electromechanical Engineering and has about 2 years hands-on experience working in design, technical office and as Demonstrator.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	26/02/1993
Gender	:	Male
Residence	:	Alexandria

EDUCATION

- B. Sc. in Electromechanical Engineering, Alexandria University, 2016
- M. Sc. Candidate in Electrical Engineering, Alexandria University
- Secondary Education: Collège Saint-Marc, Alexandria, 2011

LANGUAGES

Arabic	:	Native Language
English	:	Very Good
French	:	Very Good
Spanish	:	Fair

COMPUTER SKILLS

- Windows, MS Office, Internet
- Engineering Applications: TIA Portal (Step 7 and WinCC), AutoCAD, Fluidsim, MATLAB, Helioscope, Homer
- Programming: C-language and Arduino programming

TRAINING COURSES AND CERTIFICATIONS

- Bavarian Auto Group, After Sales Department, Alexandria (Jun./Jul. 2014): Working under the supervision of electrical and mechanical engineers in the maintenance department.
- Unilever Mashreq, Supply Chain Department, Alexandria (from Jul. till Sep. 2014): Assigned to the customer service department.
- Siemens S7 - 300/400 PLC Basic, training course in the Engineering Center of Alexandria University, Faculty of Engineering (Feb. 2015).
- Siemens S7 - 300/400 PLC Advanced, training course in the Engineering Center of Alexandria University, Faculty of Engineering (Aug. 2016), Covers PID tuning, CFC and S7-Graph languages, interrupt and fault OBs.

:		Siemens Motors and Drives (Micromaster 420), training course in the Engineering Center of Alexandria University, Faculty of Engineering (Aug. 2016).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	**:**	From Sep. 2016 till now
Employer	**:**	Alexandria University, Faculty of Engineering
Job title	**:**	Demonstrator
Job Description	**:**	• Prepare tutorials and labs.
		• Review lecture material with students in small groups.
		• Conduct laboratory experiments and assist students in their assignments and small projects.
		• Achievements:

- Revamping of Industrial automation lab by supervising the following projects: communicating PLC with Micromaster 420, commissioning of Micromaster 420, communication between two PLCs, HMI programming, CFC programming language, S7-Graph language.
- Creating special machines courses lab by preparing a new lab booklet and preparing experiments of unbalanced three phase induction motor and stand-alone induction generator.

Dates	**:**	From Dec. 2016 till now
Employer	**:**	E-GenSys
Job title	**:**	Part Time Technical Office Engineer
Job Description	**:**	• Receive customer requests and prepare technical and commercial offers.
		• Review wiring diagrams, codes, specifications and customer comments.
		• Design and programming for local projects.
		• Provide on-site support and commissioning.
		• Specialized in generator control panels and renewable energy projects.
		• Examples of Projects handled:

- GUPCO (Gulf of Suez, Egypt): Program a PLC S7-1200 to communicate to an EMCP 4.2 via Modbus to read different parameters and show all data on HMI KTP1000 Basic.
- Zohr I and II (Natural Gas Field - Port Said, Egypt): Revise wiring diagrams of eight low voltage and one medium voltage generator control panels and DC starting and control system. Panels include Siemens ET200S PLC and a Kuhse KEA generator controller, Kuhse KSY synchronizer and Stucke SYMAP protection relay. Review the different operating scenarios of synchronization, back synchronization and emergency operation. Revise I/O list and serial list. Attend testing of panels. Provide on-site support during commissioning of panels.
- ANRPC (Alexandria, Egypt): Commission a generator control panel for a CAT genset and a Kuhse KEA controller and GE protection relay. Provide on-site support for troubleshooting.
- Khalda (Alexandria, Egypt): Design a PLC and HMI software for monitoring and controlling a generator control panel for a CAT genset with a DSE controller and a ComAp protection relay.

Communicate with EMCP 4.2 via Modbus. Attend panel building, testing and commissioning phases.

- PUMA Fuel Stations (Accra, Ghana): Travel to Ghana for two weeks to analyze energy consumption in five different sites. Provide site appraisals and prepare suitable offers for off-grid PV systems.