Holds a B. Sc. in Mechatronics Engineering and has about 7 years hands-on experience working in mechatronics field (spare parts and sales).

PERSONAL DATA

Nationality	**:**	Egyptian
Birth Date	**:**	16/06/1988
Gender	**:**	Male
Marital Status	**:**	Single
Residence	**:**	Ain Shams, Cairo

EDUCATION

: B. Sc. in Mechatronics Engineering, Helwan University, 2010

LANGUAGES

Arabic	**:**	Native Language
English	**:**	Very Good

COMPUTER SKILLS

- **:** Windows, MS Office (Word, Power Point), Internet
- **:** Eclipse
- **:** AtmelStudio
- **:** National Instruments LabVIEW
- **:** Code Blocks
- **:** Orcad (Simulation & Electronic Circuits Design)
- **:** Proteus (Simulation & Electronic Circuits Design)
- **:** Visual Studio (Computer interface)
- **:** Prog-Studio Microcontroller Programming Tool
- **:** Autodesk AutoCAD
- **:** Autodesk Inventor (Mechanical drawing)
- **:** Matlab

TRAINING COURSES AND CERTIFICATIONS

- **:** Summer trainings at:
  - 54 Military Production Company (Aug. 2008).
  - MCV Co. (Manufacturing Commercial Vehicles Co.), Mercedes-Benz (Aug. 2009).
  - HONDA (Motorcycles) (Sep. 2012).

- : PLC 1, Jelecom (Aug. 2009).
- : PLC 2, Jelecom (Nov. 2009).
- : Microcontroller ATMEL8515, Jelecom (Jul. 2009).
- : Embedded Systems Scholarship.
- : Soft Skills Course.
- : English Course.
- : Embedded Systems Design Course, NTI (Dec. 2016):
  - C Programming Language.
  - Data Structure.
  - Interfacing (UART, I2C and SPI).
  - RTOS.
  - Automotive Bus Technology.
  - Embedded Linux.
  - PCB Design.
  - LabView.
  - VHDL+FPGA.
- : Technical Project.
- : Work Training.
- : Embedded Systems Diploma, AMIT (Sep. 2015):
  - C Programming Language.
  - Data Structure.
  - Embedded Systems Tools.
  - Microprocessors and Microcontrollers.
  - Software Engineering.
  - C for Embedded.
  - Interfacing (UART, I2C and SPI).
  - RTOS.
  - Testing & Validation.
  - Embedded Linux.
  - Automotive Bus Technology.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From May 2015 till now
Employer	:	BASCO for Engineering & Trading
Job title	:	Technical Pre-sales Engineer

Dates	:	From Nov. 2012 till Apr. 2015
Employer	:	Advanced Technology Solutions (ATS)
Job title	:	Technical Pre-sales Engineer

Dates	:	From Dec. 2010 till Oct. 2012
Employer	:	Manufacturing Commercial Vehicles (MCV)
Job title	:	Spare Parts Engineer for automotive parts

Responsibilities:
- Studying the technical specifications and drawings given by the client.
- Making calculations to meet client needs.
- Preparation of technical documentation and datasheets to complete the offer.
- Formulating technical-commercial offers based on client specifications.
- Studying the technical specifications given by the client.
- Searching for local and foreign suppliers.
- Technically evaluating suppliers' offers.
- Evaluating the cost and the delivery time given by suppliers then making calculations to meet client needs.
- Preparation of technical documentation and datasheets to complete the offer.
- Formulating technical-commercial offers based on client specifications.
- Following up client to get an order.
- Following up delivery procedures.
- Guarantee the maximum client satisfaction.
- Studying the technical specifications and drawings given by the client.
- Making calculations to meet client needs.
- Preparation of technical documentation and datasheets to complete the offer.
- Formulating technical-commercial offers based on client specifications.

Projects:
- Barrier control system using IOT concept.
- Door locking system using UART and I2C.
- Power Electronics (PWM in variable voltage control).
- Computer Interface with parallel port (simple one axis position control by stepper motor).
- Automatic Control (Speed Control of DC motor).
- The function of AND logic gate and OR logic gate with Pneumatic Circuit.
- Light sensor using LDR sensor for line tracking robot.
- Ladder Diagram Programs for some sample projects such as: Automated Transfer System (ATS) Program, Garage Program, Mixer Program and Elevator Program.
- Forward – Reverse Circuit of DC motor using PLC.
- Start – Stop Circuit of DC motor using PLC.