

Holds a B. Sc. in Electrical Engineering and has about 4 years hands-on experience working in automation field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 03/04/1989  
Gender : Male  
Marital Status : Single  
Residence : Nasr City, Cairo

## **EDUCATION**

: B. Sc. in Electrical Engineering (Control & Instrumentation), UTP (Petronas University of Technology), Malaysia, 2011  
: High School: Aziz Abaza Language School, Cairo

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
French : Basics

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Visual Basic  
: Matlab  
: AutoDesk 3DS Max  
: Automation Studio

## **TRAINING COURSES AND CERTIFICATIONS**

: Internships at:

- Khalda Oil and Gas Company (1 month).
- Petrobel / ENI Oil and Gas Company (8 months) as Instrumentation Engineer:
  - Control operations.
  - Instruments troubleshooting / calibration.
  - Controllers operations.
  - PID modes.
  - Piping and instruments diagrams.

- HMI.
- DCS.
- SCADA.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2014 till now  
**Employer** : Rashid Petroleum Co.  
**Job title** : Subsea Controls Engineer  
**Job Description** :
 

- Subsea (Rashpetco Offshore Control Platform) (2016):
  - Perform daily housekeeping tasks, preventive & corrective maintenance tasks.
- Subsea (Rashpetco Onshore Site) (2014-2015):
  - Help troubleshooting and maintaining (GE, Aker, Cameron) subsea control systems.
  - Help Field Service Representatives testing different subsea control equipment, modules.
  - Coordinate with subsea operations team to develop and execute troubleshooting and fault finding task plans.

**Dates** : From 2013 till 2014  
**Employer** : Global Technical Services  
**Job title** : Automation Engineer (PLC, SCADA, DCS)  
**Job Description** :
 

- Control & Instrumentation.
- Train on PLC modules and software.
- Participate in developing Distributed Control Systems (DCS).

**Dates** : From 2012 till 2013  
**Employer** : Egyptian Army  
**Project** : Military Service

### **Projects:**

- Autonomous Robot Navigation (Microprocessor / C / OpenCV).
- Hand controlled PC (AS / Java / C++).
- P&ID Drawer (Flash / AS).
- PLC Simulator (Flash / AS).
- Data Glove Implementation (Arduino).
- Hand Command Recognition (Processing / Java / AS).
- Animatronics Emulation (Arduino / Processing).
- Hand Commanded Machine Interface (AS).
- Gesture Controlled Environment (Processing / AS).
- NAOQI Humanoid Robot Control (Python / Java / AS).
- Stock Exchange Analysis (Javascript / D3).
- News Aggregator (hashmasr.com) (JS / Nodejs / PHP).
- Media Analyser (PHP, Python, JS, Nodejs).
- Pattern Visualizer (JS, Nodejs).
- Vector Maps (JS, Nodejs, Python).

**Research:**

- Image Processing (Color Tracking / Face Recognition / Motion Detection).
- Augmented Reality.
- Content Aggregation (Scrapping / Curation / Classification).
- Data Mining (NTLP / Sentiment Analysis).
- Data Visualization (Data Driven Documents).
- Spatial DB Indexing (Vector Maps).

**Technical Skills (Machine Languages & Software):**

- C/C++
- PHP
- Python
- ActionScript
- JavaScript
- HTML/CSS
- NodeJs
- Processing
- Verilog
- Assembly
- PLC (Logic Diagram, Ladder Diagram, Mnemonic Code, Instruction List)
- Omron CX Programmer
- Choregraphe Robotic IDE
- MP ASM / PIC Simulator IDE
- Arduino IDE
- Adobe (Flash Professional CS5, Flex Builder, Catalyst)
- SWF Kit Pro
- MongoDB/CouchDB
- SourceTree