



# Wafik Rkab

**Date of birth:** 1970 | **Nationality:** Syrian | **Gender** Male | (+963) 994480138 |

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About me: Dedicated embedded systems programmer for more than 17 years with experience in Hardware and Software starting from electronic design, programming, simulation, practical experiment, circuit drawing, final installation and operation, down to the final style and commercial application.

## ● PROJECTS

### GPulse Metal Detector

A pulse induction metal detector designed and programmed using Atmega

### GRange Metal Detector

A long range metal detector designed and programmed using ARM Raspberry Pi

### Extra Power Security

An integrated home protection system to protect people and electronic devices from the dangers of electric currents designed and programmed using Atmega

CURRENT

### 3 Phase DC Motor Controller

The designing and programming is currently done using ARM stm32

### Irrigation Water System

Designed and programmed an irrigation water system according to a programmable schedule by the user

## ● WORK EXPERIENCE

2019 – CURRENT

**INSTRUCTOR IN UDEMY** – UDEMY LEARNING PLATFORM

Courses:

- [Learn AVR ATMEGA series #1](#)
- [Learn AVR ATMEGA series #2](#)
- [Learn AVR ATMEGA series #4](#)

05/2018 – 04/2019 – Damascus, Syria

**AUTOMATED SYSTEMS DEVELOPER** – SOFTRONICS COMPANY

Achievements:

- Designed and programmed various systems in power field (sign wave Inverter , electrical regulator... ) using Arduino Technology

10/2009 – 07/2011 – Sweida, Syria

**AUTOMATED SYSTEMS DEVELOPER** – ELECTRA COMPANY

Achievements:

- Various electronic circuits in power field
- Analog circuits , Digital circuits , Timers circuits

01/2007 – 09/2007 – Tartous, Syria

**AUTOMATED SYSTEMS DEVELOPER** – IN COOPERATION WITH TARTOUS GOVERNORATE

Achievements:

- Automated the packing line in the cement plant ( Hardware by using ATmega8515 Microcontroller , Software by using Vbasic6 )
- Developed a traffic lights system and conversion into programmable LEDs ( Hardware by using ATmega8515L Microcontroller , Software by using Vbasic6 )

04/2005 – 06/2006 – Damascus, Syria

**AUTOMATED SYSTEMS DEVELOPER – AL REDA HOSPITAL**

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Achievements:

- Designed and programmed a queue-system for the admission of patients to different clinics ( Hardware by using ATmega8515L Microcontroller , Software by using VC++6 )
- Designed and programmed a Nurse Calling System (Hardware by using AT89C51 Microcontroller , Software by using VC++6 )
- Designed and programmed an electronic LED panels (Hardware by using AT90S8515 Microcontroller , Software by using VC++6 )

## ● **DIGITAL SKILLS**

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C++ | C# | Python | Embedded C | Protues | Arduino | PCB Layouts | Raspberry pi | ARM | Databases | SQL | SQL Server | ASP | Visual C++

## ● **EDUCATION AND TRAINING**

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**TECHNICAL COMPUTER COLLAGE TCC – Damascus university**

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