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**Reem Monier Allam**

**Professional Experience**

(October 2017: August 2018)

**Embedded Systems Engineer** at **EL2** company [ **IOT Industries and Consultations**]

* Working in platform of MCU [AVR] for IOT solutions
* Writing required software in C programming
* Designing and Developing required hardware for a specific systems
* Unit and integration test for modules, and system test
* Dealing with customer [as: taking CRS or training them on a new products]
* Writing any technical documents for each new products

**Education**

(2012: 2017)

**B.SC.** in Electronics and Communications Engineering

Thebes Academy, Maddi, Thebes Higher Institute for Engineering

**Graduation Grade:** Good

**Graduation Project**

**Smart Teaching Cube:** cubic robot to teach easier and more effective for children using five touchscreens, voice recognition and sound player all are connected via 32bit MCU [ARM cortex M4]

**Project Responsibility:** software designing and its implementation and all documentation in the project

**Project Grade:** Excellent

**Skills**

* **Language :** very good command in both written and spoken English
* **Programming :** C language
* **Microcontroller/ processor :** AVR 8-bit ,Pic , ESP32 ,ESP8266 , ARM cortex-M4
* **Electronics :** design and implementation printed circuit board [PCB]
* **Software development tools** : Code composer studio IDE , Atmel studio IDE , Code Blocks IDE , Proteus , Arduino

**Courses / training**

* **Embedded Systems courses** (2016)
* C programming
* Microcontroller interfacing
* Communications Protocol such as : UART , SPI ,I2C
* Real time operating system using free RTOS
* **Final project Write Adjustable RTC and Write it on Six 7-segments and LCD at the same time with calculator using free RTOS dividing into 4 tasks**
* **AUTOSAR Device Drivers and Automotive buses course** (2018)
* AUTOSAR Software design , architecture layers and workflow
* Modular programming
* AUTOSAR API Specifications
* AUTOSAR error reporting
* AUTOSAR module configuration variants
* **Final project write DIO driver as AUTOSAR driver**

**Activities**

(2014 to 2017)

* **RoboThebes student activity:** founder and volunteer as an instructor for technical parts

(June 2013 till now)

* **Resala Charity Association**: volunteer in education department [ Literacy and Remedial teaching ]

**Personal Data**

* Date of birth : 11 of May 1994
* Gender : Female
* Nationality : Egyptian
* Marital status : Single