**Kareem**



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| Kareem-394105@gulfjobseeker.com  |  |

**Summary**

Experienced in Automotive maintenance, CNC Programming, (Armored Vehicle, Heavy equipment, Hydraulic loaders) maintenance, Buildings plumbing system and electromechanical, ATM maintenance, Robotics and Automation mechanical design all proven with letters of proficiency and efficiency. I always have the desire and ambition to learn and grow continuously.

**Experience**

**Mechanical Designer, Production, R&D Engineer**

Jan 2019 - Apr 2019

* **Responsibilities**
	+ Mechanical Designer “Free hand sketches, 2D AutoCAD drawings and 3D designs using SOLIDWORKS” for (Heat Exchangers, Cooling Towers, Poultry industrial machines “Manual, Automation and Robotics").
	+ Production Engineer (supervised workers producing my designs and also I bought the materials for the designs myself).
	+ Research and Development Engineer (Performed testing on my design and made researches about academic equations and theories for the mentioned machines before designing).
* **Achievement**

I designed a heat exchanger without water cool because water cooling is not an available option in Saudi Arabia to cool rendering highly acidic hot gas with unknown specification from 130 degree C to 85 degree C in very short time to purify the steam using a turbine and chemicals that was Sold for $ 1.2 M to a poultry company in Saudi Arabia.

**Electromechanical Engineer**

Mar 2018 - Nov 2018

* **Responsibilities**
	+ Review electromechanical offers and make comparisons to choose the best mechanism and .devices that suits the company projects.
	+ Make contracts BOQ and invoices.
	+ Reviewing and approval of electromechanical workshop drawings including (HVAC, electricity, plumbing and fire system).
	+ Designing of Plumbing system using AutoCAD.

**Military Mechanical Engineer**

Dec 2016 - Dec 2017

* **Responsibilities**
	+ Supervised maintenance and usage of heavy armored vehicle.
	+ Supervised testing of hydraulic loaders, recommending solutions and creating and maintaining thorough reports.
	+ Designing of Complete Plumbing and Drainage System for Buildings.
	+ Worked with my group team to fix sanitation issue to keep the project going on without delaying.
* **Achievement**

My role was making plumbing design in residential compound and supervise assembling it in site for the whole compound ( 11 buildings, a mosque, a mall and a school ) in just nine months and I finished it in time

**Mechanical Engineer**

Honda Workshop

Aug 2013 - Aug 2014

* Car maintenance (Engine, transmission/gearbox, suspensions, brake system and mechatronics system).

Kareem

**Education**

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| **The Egyptian Russian University – ERU** | 2010 - 2015 |

Bachelor in Mechatronics, Robotics, and Automation Engineering

**Graduation Project** (Industrial Arm Robot Manipulator with Ommni wheel)

My role in that project was designing the arm and the electrical circuits for the arm and the Ommni wheel. Later on the Robot was awarded in Egypt Exhibition Authority in April 2017 as one of the best Robots in its published year.

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| **University of Cambridge** | 2007 - 2009 |

IGCSE / AS Level

**Skills**

SolidWorks • Industrial Arm Robot • Mechanical Design • Automation • Automotive • MS Office • AutoCAD • Blender •Photoshop •Illustrator •CNC •PLC •Mechanical maintenance

**Certifications**

**Mechanical Maintenance Engineer • Mercedes-Benz**

**Mechatronics Design Engineer • Mercedes-Benz**

**CNC Machine Programmer • Egybel**

**ATM Field Engineer • NCR Corporation**

**Honors & Awards**

**Arm robot with Omni wheel manipulator •** Exhibition Authority **•** May 2017

My arm robot was awarded from Egypt Exhibition Authority as one of the best robot projects in its published year.

**Military Mechanical Engineer •** Engineering Section - Egyptian Armed Forces **•** Dec 2017I was awarded for helping the organization achieving its goals in time.

**EXTRA-CURRICULAR ACTIVITIES/**

**POSITIONS OF RESPONSIBILITY**

* **Federation of Arab Engineers membership**
* **Member in Egyptian syndicate of Engineers.**
* **Worked as a marketing man for Noor Construction Company.**

 **Was a call center agent in FIFA club world cup 2009 in Dubai in number one call center in the** **Middle East (CTS).**

* **Played piano, composed and arranged songs with Bel3araby Band for a year and half in ten ceremonies, 2 TV shows and radio interview.**
* **Was a guitarist in the university band (The Sophisticates).**

**Languages**

**Arabic** “Native”

**English** “Fluent”

**Russian** “Beginner”