

STRATEGOS

Engineering Technologies for Strategy in
Defense, Industry, Government &
Homeland Security

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Master of Science on Engineering Technology for Strategy and Security

STRATEGIC Engineer Resume

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Education & Special Certificates

18 Sep 2023 – Current, University of Genoa,
International Master Science in Engineering Technology
for Strategy and Security (Laurea Magistrale),
STRATEGOS, Genoa, Italy

Sep 2015 - July 2020, Egyptian Russian University,
Bachelor Degree in Mechatronics and Robotics
Engineering with B+ Grade, Cairo, Egypt.

2012 – 2015, High School, Abd-elaziz High School,
El Madinah El Minawrah Saudi Arabia.

Professional Experiences

Mar 2023-july 2023 ,Online Full Embedded Diploma ,Eng : AbdElGhafar
Embedded C programming Language, AUTOSAR, Microcontroller
Interfacing, Algorithm, Automotive, Real Time Operation. Programmes
used MPLAB , Proteus.

Aug 2022 – Oct 2022 ,Online Embedded Sys, Microcontroller PIC16F877A
DEEPBLUE Channel Learning Basics of Embedded System and
Microcontroller Interfacing, GPIOs. making projects by using MPLAB IDE
and Proteus program. Datasheet reading and understand.

July 2022 – Aug 2022 ,Rally Motors company Car companies that we were
responsible of (German Cars: Mercedes ,Volkswagen etc., Japanese car :
Toyota, France cars : reno, etc., Korean cars: Hyundai, etc.).Electrical and
hybrids Cars. Work as reception engineer, and workshop engineer. Repair
cars and check the failure by G-scan and coding. Be responsible for more
than one car in the same time and knowing if this part must to change or
can be fixed. Responsible of number of Workers. Dealing with customers
and handling problems.

Jan 2020 – feb 2020 ,Trainee at Mercedes- BenzAutomotive Maintenance,
and repair. How to use G-scan and scan the car.Assembly Engine parts
and knowing the issues.

Apr 2020 ,SumoRobot competition Leader in a team of 4 members,
calculating the mechanical parts and the torque of the motors, then
Design and analysis in the SOLIDWORKS. Programming with Arduino IDE.

Nov 2019 ,EVER RALLY competition Member in a team of 12, design
braking system Using MATLAB Simulink, and design the layout Of car,
design steering system rack and pinion, Supervising on car chassis
manufacturing.

Sep 2018 – Sep 2018 ,Trainee at Arab Contracts Dealing with Hydraulic
pumps, and electrical motors, Compressors, and heavy cars maintenance
and repairing.

Jul 2017 ,Walking Robot IEEE competition Member in team of 4 to design walking robot With only one motor. Mechanical Calculation. Using SOLIDWORKS to design the legs and print it with CNC laser cutting machine.

Jul 2016 – Oct 2016 ,Trainee at BENHA ELECTRONICS CO Dealing with CNC machines types and how it works. Learning PLC classic control.

Projects

Graduation Project (CNC 5-axis)

Leader in a team of 12 members, designed the Rotational Axis, calculations Design.

Skills : teamwork – searching – datasheet reading – work under pressure time management.

Tools: SOLIDWORKS (simulation - Assembly) – G_code.

Technical Skills

SOLIDWORKS

Arduino IDE.

Embedded C Programming

Python Programming Language

Microcontroller Interfacing

Embedded Microcontroller PIC16F877A

Embedded Systems Tools AUTOSAR (basics)

CSS language (basics)

HTML language (basics)

Data Structure Algorithm

Languages

Arabic (Native Language)

English (fluent)

German (B1)

Experiences

- **Drawing**
- **Graphic Design**
- **Photography**
- **Computer Games**
- **Language Learning**
- **Digital Painting**
- **Going to GYM**
- **Photo Editing/ Video Editing**
- **Reading books**

I hereby authorize STRATEGOS, Genoa University and Simulation Team to share my CV for Professional and Scientific Reasons with Companies & Institutions