

# Mohamed Elsayed Mohamed Aly Kasem

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## CAREER OBJECTIVE

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Seeking challenging Embedded Software Developer position where my education and work experience will have valuable application.

## PERSONAL DATA

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Date of Birth: November 27, 1992

Gender: Male

Marital Status: Married

Nationality: Egyptian

Military Service: Completed

## EDUCATION

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**2020**

### **Intensive Training Program (ITI)**

C Programming, Data Structure and Algorithms, AVR Microcontroller Interface, ARM Microcontroller, RTOS, Communication protocols (UART, SPI, I2C), EEPROM, Python, Embedded Linux.

**2010: 2015**

### **Alexandria Higher Institute Of Engineering & Technology**

B.Sc. in Mechatronics Engineering.

**Graduation Project** CNC 4-Axis Machine  
Grade: Excellent

## PREVIOUS EXPERIENCE

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- **2018: Present Robotics Instructor at Mindz Training Center.**
  - Lego EV3 Robotics Instructor (for Kids and Teens).
  - Arduino Instructor (for Kids and Teens).
  - C++ Instructor (for Kids and Teens).
  - Soccer First Runner Up at RoboCup Egypt 2019
  - Rescue Line Best Presentation Award at RoboCup Egypt 2019
  - Rescue Maze Best Programming Award at RoboCup Egypt 2019
  - Rescue Line Second Runner Up at RoboCup Egypt 2019 (Mindz Kuwait)
- **2020 Trainer at Saudi Olympiad in Informatics (SOI).**
  - SOI is an annual competition in programming executed by Mawhiba Organization.
- **2020 Trainer at Egyptian Olympiad in Informatics (EOI).**
  - EOI is an annual competition in programming held under the patronage of MCIT and executed by Arab Academy for Science and Technology.

- **2018 CNC (Hot Wire – Router) operator and designer at Mena Country.**
- **2017 Robotics Instructor at Mindz Training Center.**  
 Lego EV3 Robotics Instructor (for Kids and Teens).  
 Arduino Instructor (for Kids and Teens).  
 C++ Instructor (for Kids and Teens).  
 Second Runner up (Lego Soccer) at ROBOGAMES Egypt 2018.  
 First Runner up (Lego Sumo) at ROBOGAMES Egypt 2018.  
 Second Runner up (Lego Line Following) at ROBOGAMES Egypt 2018.
- **2016 Micro Processor (8086) Teaching Assistant at Air Defense College (Military Service )**

## COURSES.

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- **2020 Altium Designer.**  
 PCB Design and Fabrication.
- **2020 Embedded System diploma.**  
 AVR Microcontroller, Capturing external events using interrupts, Timers in ATmega32, Oscillators and Crystals Atmega32 and Communication protocols (Serial, I2C, SPI and CAN).
- **2019 Fusion 360 – Autodesk**  
 2D Sketching, Creating 3D part from a 2D Sketches, Designing within an Assembly, Designing within an Assembly, Exporting Laser cutting files.
- **2018 Autodesk Artcam.**  
 Design 3d Models for Cnc machines, Generate G-code And Operate Cnc Wood Routers.
- **2017 Hydraulic & Pneumatic**  
 Pumps, Valves, Actuators, Directional Control, Pressure Control, Basic System Design and Understanding Schematics Pneumatic.
- **2017 Mechanical diploma from Oil and Gas Skills "OGS" Consist Of:-**  
 1- Pumps 2- Compressors 3- Turbine 4- Machine Alignment 5- Vibration
- **2015 Inventor Basic Design Applications.**  
 Sketching 2d models, 3d Parts Modeling, Drawing Configurations, and Assembly Modeling

## SUMMER INTERNSHIPS

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- **2014 Mantrac Summer Internship Program**  
 Internal combustion generators maintenance.
- **2013 Egyptian Petrochemicals Company (EPC)**  
 Classic control maintenance.
- **2012 Amreya Petroleum Refining Company (APRCO)**  
 PLC monitoring and maintenance.

## SKILLS

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Languages	<ul style="list-style-type: none"> <li>• Arabic: Mother tongue</li> <li>• English: Very Good spoken and written</li> </ul>
Computer Literacy	Excellent Internet skills Highly proficient at MS Office (Word, Excel, PowerPoint, Access)

## REFERENCES

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Available upon request