

Holds a B. Sc. in Mechatronics Engineering and is looking to gain experience in her field of education.

PERSONAL DATA

Nationality : Egyptian
Gender : Female
Residence : Nasr City, Cairo

EDUCATION

: B. Sc. in Mechatronics Engineering, Arab Academy for Science, Technology and Maritime Transport (AAST), Cairo, 2017
: Secondary Education: ELMANAR LANGUAGE SCHOOL, Ismailia, 2012

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics
German : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: GRBL gru
: AutoCAD
: Circuit Wizard
: Universal G-Code Sender
: Autodesk Inventor and AutoCAD
: Ansys Fluent
: Labview
: LADDER Language
: Solid Works
: Python language (introduction)
: Matlab
: C++ programming

TRAINING COURSES AND CERTIFICATIONS

: Certificate of Completion – Autonomous Robotics, California Polytechnic University, SLO, California, USA (Jul. 2016).

- : Gas Turbine Engine, Mechanical Engineering, Egypt Air Technical Training Center, Cairo (Mar. 2015):
 - Was able to give us an overview for the aircraft engines and its related sub-system as a familiarization to the field of engines maintenance.
 - Focused on the different types of engine and their combustion cycles.
- : Schneider Electric Egypt, Al Tagamoa and Badr Factory (Aug. 2017): Was able to be familiar with almost all sections and teams in the head office and the factory and knowing the process of any client's requests and these teams are like: (Marketing, Electrical (Medium and low voltage), Mechanical and Supply Chain). And we were introduced to the sequence of assembling the cells with is various types in the workshop.
- : Workshop Team Member, Autonomous Robotics, California Polytechnic University, SLO, California, USA (Jul. 2016): Built, programmed, and tested an autonomous robotic vehicle capable of accepting commands via web browsers and mobile phones over the Internet. Participated in an autonomous robotic capture the flag competition.
- : Mechanical Press, Arab Academy for Science, Technology and Maritime Transport, Cairo (from Nov. 2014 till Jan. 2015): Designed a machine tool that changes the shape of a workpiece by the application of pressure. It was made from scratch including calculations, materials and the design.
- : Smart House, Arab Academy for Science, Technology and Maritime Transport, Cairo (from Feb. till May 2013): Made any device in home that uses electricity can be put on a home network and under our command. Whether you give that command by voice, remote control, tablet or smartphone, the home reacts. Most applications relate to lighting, home security, home theater and entertainment, and thermostat regulation.
- : RobEn, Robotic Entrepreneur, Arab Academy for Science, Technology and Maritime Transport, Cairo (from Feb. 2015 till Feb. 2016):
 - Performed research, development, and prototyping of a new design of mine-sweeper to save lives in areas of conflict. A robotic minesweeper aims to defuse lethal roadside bombs that represented the signature weapon killed or wounded thousands of people. The target of the project is to be as light as possible and detect the mine as faster as possible.
 - Designed and tested a custom built quad-copter UAV for achieving high efficiency over conventional designs.

Graduation Project:

- Sponsor (Leoni Factory).
- The aim of the project is to convert from conventional lathe into CNC lathe machine. CNC stands for Computer Numerical Control which means that the physical movements of the machines are controlled by instructions, such as coordinate positions and velocities that are generated using a computer.