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

PERSONAL DATA

Nationality	:	Egyptian
Gender	:	Female
Residence	:	6th October City

EDUCATION

:	B. Sc. in Aerospace Engineering, Cairo University, 2017

LANGUAGES

Arabic	:	Native Language
English	:	Very Good
French	:	Basics

COMPUTER SKILLS

- Windows, MS Office, Internet
- MATLAB
- LATEX, LYX
- CAD: SOLID WORKS, NX
- CFD: ANSYS FLUENT, ANSYS CFX
- FEA: FEMAP, ANSYS Structural Analysis Tools
- POINTWISE, Fluidsim

TRAINING COURSES AND CERTIFICATIONS

- Training at ABECO - Arab British Engine Co. (Aug. 2016): Attended two weeks hands-off training to perform Overhaul, Maintenance and Repair of Helicopter's Engines.
- Training at Egypt Air Maintenance and Engineering Services (Jul. 2015): Attended two weeks hands-off airplane maintenance training at Cairo International Airport.
- Training at NARSS - National Authority for Remote Sensing and Space Sciences (Aug. 2015): Attended two weeks training of space technologies for remote sensing satellites.
- Numerical Analysis Team Member - Summer Camp in (ASTlab) Aeronautical system technology laboratory (Jun. 2015):
  - Worked in different numerical analysis packages.

- Modeled and Simulated Penguin-B UAV using numerical analysis packages.
- : Participant at RC competition in UDC - Unmanned Aerial Systems Developing Center (Jun. 2014):
  - Attended sessions for CAD modeling and RC Manufacturing.
  - Manufactured and tested a small RC airplane.
- : Participant at K-VECTOR students club (Student Activity) (Jun. 2013): Attended sessions to learn about automotive covering all main topics.
- : Major Courses:
  - Analysis of Aircraft Structure.
  - Design and Performance of Wind Turbines.
  - Circuits & Electronics.
  - Aerodynamics.
  - Control Systems Design.
  - Thermodynamics.
  - Fluid and Gas Dynamic.
  - Fluid Mechanics.
  - Propulsion Jet Engines & Internal Combustion Engines.
  - Project Management.

Graduation Project:

Boeing-737 Wing Analysis and Design:
- Calculated Wing aerodynamic loading using CFD method.
- Designed and analyzed wing structure using Analytical methods.
- Designed and analyzed wing structure using Finite Element method.