Holds a B. Sc. in Aerospace Engineering and has over 2 years experience working in design field.

# PERSONAL DATA

:	Egyptian
:	30/04/1995
:	Male
:	Single
:	Cairo
	::

## **EDUCATION**

- : B. Sc. in Aerospace Engineering, Cairo University, 2018
- : Motafawkeen Secondary School for Advanced Boys, Ain Shams Cairo, 2013

## LANGUAGES

Arabic	:	Native Language
English	:	Very Good
German	:	Fair

#### **COMPUTER SKILLS**

- : Windows, MS Office, Internet
- : Matlab & Simulink, Solid Works, AutoCAD, FEMAP, Ansys
- Lyx, XFLR, Mathematica & Maple, Labview, Arduino, Proteus
- HTML5, CSS, C/C++ programming, Python

#### TRAINING COURSES AND CERTIFICATIONS

- : Basic Airframe and Power Plant for Undergraduate Aeronautical Engineers, Egypt Air Training Academy, Cairo (Jul./Aug. 2017 (phase 1) & Jul. till Sep. 2018 (phase 2)):
  - Acquired the general knowledge of plane maintenance.
  - Learned about the different plane designs and systems.
- : ICDL
- : Human Factor for Maintenance Engineers.
- : Online courses:
  - Mechanics of Materials, Georgia Institute of Technology (2019).
  - Speak English Professionally (in person, online & on the phone), Georgia Institute of Technology (2019).

- Grammar and Punctuation, University of California, Irvine (2018).
- Tricky American English Pronunciation, University of California, Irvine (2018).
- Write Professional Emails, Georgia Institute of Technology (2018).
- : Training at ATIC Company, Cairo (Aug. 2016): Gained knowledge of pipe welding inspections and techniques of NDT.
- Training at Egypt Air, Cairo International Airport (Aug./Sep. 2015): Got exposed to the process of maintaining planes and getting them ready to fly.
- : Training at NARSS, Cairo (Aug. 2015): Learned about satellites design, construction, control and propulsion systems.

## CHRONOLOGICAL EXPERIENCE RECORD

Dates	: From Aug. 2020 till now
Employer	: ENPPI
Job title	: Piping Design Engineer
Dates	: From Aug. 2019 till Jul. 2020
Employer	: EI-Nasr Transformers
Job title	: Mechanical Design Engineer
Job Description	<ul> <li>Study the transformers specifications and prepare the mechanical data in the power transformers technical offers.</li> <li>Prepare of all the specifications for the material and accessories related to the mechanical design.</li> <li>Prepare of the detailed manufacturing design for the mechanical parts of the power transformer including core, frame structure, tank and cable boxes using drawing programs 2D &amp; 3D.</li> </ul>
Dates	: From Feb. 2019 till Jun. 2019
Employer	E.A.E.A.T. (km 3 Cairo Belbis Desert Road, Cairo)
Job title	: Teaching Assistant
Job Description	Mechatronics Engineering Dept Courses:
•••• ••••	AutoCAD (preparatory year).
	<ul> <li>Principles of Mechatronics (2<sup>nd</sup> year).</li> </ul>
	• Robotics (3 <sup>rd</sup> year).
	<ul> <li>Skills:</li> <li>Engineering.</li> <li>Structural Analysis.</li> <li>Robotics.</li> <li>Finite Element Analysis (FEA).</li> <li>Computational Fluid Dynamics (CFD).</li> <li>Research.</li> <li>Computer-Aided Design (CAD).</li> <li>Design Engineering.</li> <li>Software Development Life Cycle (SDLC).</li> <li>Fluid Mechanics.</li> </ul>