

106123-MEC-56D-E-2017
Application Engineer & Mechanical Designer

Holds a B. Sc. in Aerospace Engineering and has about 4 years experience working in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/08/1994
Gender : Female
Residence : Al-Sahel, Cairo

EDUCATION

- : B. Sc. in Aerospace Engineering, Cairo University, 2017
- : Premaster degree
- : Studying for Master degree of Aerospace Engineering, Cairo University (from Feb. 2018 till now)
- : Farwaniya High School (Kuwait), 2012

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : Python
- : CATIA V5 (Part Design, Assembly & surface)
- : C++
- : Matlab / Simulink
- : AutoCAD (Sketching, drafting and 3D modelling)
- : Duct Sizer
- : HAP
- : ANSYS fluent (CFD)
- : Finite element analysis and simulation (Abaqus)
- : SIMPACK (Multibody Dynamic Software)

TRAINING COURSES AND CERTIFICATIONS

- : CATIA V5 Part Design - Associate from Dassault Systèmes.
- : CATIA V5 Assembly - Associate from Dassault Systèmes.
- : CATIA V5 SPECIALIST - Mechanical Designer from Dassault Systèmes.

- : CATIA V5 Surface Design - Associate from Dassault Systèmes.
- : CATIA V5 SPECIALIST - Mechanical Surface Designer from Dassault Systèmes.
- : Fundamental of Project Planning and Management Certification, University of Virginia, USA, Coursera (Mar. 2019).
- : Introduction to Embedded System Course at Cairo University.
- : Starting License Without Rating at Egypt Air (Apr. 2018).
- : Basic Airframe and Power Plant at Egypt Air (Phase I & II) (from Jul. till Oct. 2017).
- : Attended a summer training at the workshops of Petroleum Air Services (PAS) Company at Cairo International Airport - the training included: Engine, Dynamic and Propeller workshops (Aug. 2016).
- : Attended a summer training at the workshops of "Engine Factory" at the Arab Organization for Industrialization - the training included: Engine and Structure workshops (Aug. 2015).
- : Attended a summer training at the workshops of "Egypt Air" Company at Cairo International Airport - the training included: Jet Engines, Aircraft Structures & Flight Control Surface (Aug. 2014).
- : Attended a summer training at the workshops of "National Authority for Remote Sensing & Space Science" - the training included: Space Technologies for Remote Sensing Satellites (Aug. 2015).
- : English: TOEFL ITB. 540.
- : 3D Scanning: From Mesh to Model from LinkedIn Learning.
- : Industrial Design Foundations from LinkedIn Learning.

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : PROMECH ENGINEERING of Egypt Branch
- Job title** : Application Engineer & Mechanical Designer
- Job Description** :
- Reverse Engineering (converting a physical part into 3d Model using CATIA V5).
 - Technically handle with 3d scanners.
 - Support troubleshooting technical problems and meeting the expectations and requirements of internal and external customers.
 - Managing the licenses of our clients.
 - Training to the customers like (Zewail University, El Salam aircraft).
 - Knowledge of PLM (Product Life cycle Management).
 - Our clients vary from different industries mainly aerospace, automotive, home appliances and Industrial Equipment.
- Employer** : East Delta Contracting Co.
- Job title** : Design Heating, Ventilation & Air Conditioning Mechanical Designer
- Projects** :
- National Bank of Egypt (Helmiet El Zeitoun Branch, Suez Branch, Cairo - El Tayran street)
 - CIB Zagazeg Branch
 - Cairo Airport Lounge
 - Villas