

Holds B. Sc. in Mechanical Production Engineering and M. Sc. in Aerospace Engineering. Has over 2 years of work experience, mainly in 3D modeling and prototyping.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/09/1989
Gender : Male
Residence : Cairo

EDUCATION

- : B. Sc. in Mechanical Production Engineering, Ain Shams University, 2012
- : M. Sc. in Aerospace Engineering, The University of Manchester – School of Mechanical, Aerospace and Civil Engineering, 2014
- : Almotafawkeen Secondary School, Cairo, 2006

LANGUAGES

Arabic : Native Language
English : Fluent
German : Basics
Spanish : Basics

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : Solid Works Mechanical Design and Simulation - MasterCAM
- : AutoCAD – Inventor – Abaqus – MATLAB – Fortran – CNC Fanuc – Siemens NX – Catia

TRAINING COURSES AND CERTIFICATIONS

- : Training at Kharafi National Egypt (from Jun. till Aug. 2011) as Site Engineer: worked on the infrastructure of the project "Construction of Egyptian Training Center of Excellence", Plumbing, Fire Fighting, HVAC and Electromechanical Systems:
 - Maintaining that construction drawings are up-to-date.
 - Surveying of existing buildings and drainage.
 - Surveying of HVAC systems.
 - Installation of the firefighting system.
- : At The Arab Contractors (Jul. 2010) as Trainee: worked at the manufacturing and assembly workshops; Turning, Milling, Shaping and Sheet Metal Work.

- : At School of Engineering and Applied Science, Aston University (Aug./Sep. 2010) as Research Assistant: Testing and characterisation of bio-oils for use in compression ignition engines for rural power generation and tri-generation in India.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2016 till now
Employer : TTC Technologies Ltd
Job title : R&D Mechanical Engineer
Job Description :
 - Identifying and documenting customer requirements, carrying out surveys as necessary.
 - Coordinating and performing design work to fulfill project requirements.
 - Generating, reviewing and approving detail drawings including GD&T for quoting, prototyping and production.
 - Assigning material and performing FEA on part designs.
 - Working directly with customers to ensure that developed products meet their requirements.
 - Controlling product costs and design-in cost efficiency (design for manufacturability).
 - Communicating with technical departments to identify suitable solutions – mechanical, electrical, software and electronics hardware design.
 - Producing relevant documentation where required – user manuals, technical specifications.

- Dates** : From Jul. 2016 till Oct. 2016
Employer : Egyptian Engineering Co. (Morcos)
Job title : Design Engineer
Job Description :
 - Designing and developing of production lines and equipment for FMCG companies.
 - Creating drawings/models of components for new product development, existing product upgrades, and for the reverse engineering of products.
 - Optimization of manufacturing processes and improving material selection to achieve world-class quality.
 - Responsible for technical documentation.

- Dates** : From May 2015 till Jun. 2016
Employer : Technology and Innovation Centre
Job title : Mechanical Design Engineer
Job Description :
 - Research Centre at the Military Technical College of Egypt specializing in unmanned integrated systems.
 - Worked on research programs; design and evaluation of mechanical systems.
 - Development of integrated mechanical systems to meet customer requirements.
 - Providing detailed drawings for manufactured parts.
 - Collaborating with other colleagues to ensure design integrity.

Dates : From Apr. 2013 till Aug. 2013
Employer : Jumia Egypt
Job title : Retoucher
Job Description :

- Creating design solutions with high visual impact.
- This role demanded creative flair, up-to-date knowledge of industry software and a professional approach to time, cost and deadlines.
- I was in charge of the display of product visuals on the company website aimed at improving conversion rate.