

EL-Sayed Fathy EL-Sayed Hashim

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PERSONAL STATEMENT

I'm an adaptable and innovative qualified Mechanical Engineer with over 3years experiences creating cost efficient designs.

I'm looking to develop my expertise in new concept development, simulation and validation within a forward thinking any company, advanced integrally geared (turbine-combustions-compressor) and bearing, sells

KEY SKILLS

Technical Skills

- AutoCAD
- Autodesk Architectural
- SolidWorks(proficient in 3-D modeling)
- 3D Studio Max
- MS Office
- Microsoft Project
- Technology design (generating or adapting equipment and technology to server user needs)
- Troubleshooting (determining causes of operating error and deciding what to do about it)
- Time management
- Service orientation-actively looking for to help people

Certificates

- City & Guilds Mechanical Engineering
- ISO and Safety Compliance(OSHA level 1-2)
- Turbo machinery

Memberships

- Institute of Mechanical Engineers (HTI)
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EDUCATION

- **University**
BSc (HTI) Mechanical Engineering and Computer Aided Design
GPA :(2.84_4)

Diploma in engineering (higher technology institute)
 - Saeed bn jobber (Math's (A), Science (A), English (A))
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Experience

- Edit and design of rotary engine and the work of processing the rotor in the engine has been installed on the engine Turbo Charger _outhit after treatment has been to reduce the corrosion of this part thanks to hypertext ceramics that have been installed and it also has been increasing the capacity from (250 HP-380HP) and It has been increasing the number of rotation from (8.000rpm -14.000rpm) The engine was tested for 300 hour He was taking the franchise with honors and appreciation
- Modified engine jet plane and breeding work with the compressor and the column
- Installing the network of AL-Tayser automotive company and constructions (ABU) ,(air-conditions) and(thermal management)
- Setup firefighting of AL-Tayser automotive company and alarm system with connect system
- Routine and preventive maintenance in project (B.S.C)

EMPLOYMENT

Mechanical Design Engineer

Project plane (jet engine) | Cairo Airports workshop- Egypt
20/10/2012 > 9/9/2013

Achievements

- Doubled life of combustion chamber with fit and clearance nozzle materials system.
- Designee the shape of jet engine By used solid works (with ceramics materials)
- Make the compressor and turbine works with combustion chamber with (Biofuels)

Mechanical Engineer

Rotary engine | Alexandria-workshop-Egypt
20/2/2014 > 28/12/2015

Achievements

- Developed low-weight, low friction piston assembly for air pressure vehicle, increasing top speed of prototype by 120% with no decrease in range.
- Design the rotor shaft whit lubrication oil and rotor (apex sells)
- Change the materials of rotor aluminum with ceramics other and test mechanical efficiency
- Increase the RPM of engine from 8000RPM TO 10.000 RPM without turbo charger
- Design the machine with turbo charger a and test the engine will gate(14000 rpm)

Trainee/seminar Mechanical Engineer

- O Factory Bnha Electronics [\(<http://fact144.momp.gov.eg>\)](http://fact144.momp.gov.eg)
(198 hrs-6 month) (Excellent)
- O Mercedes maintenances company [\(<http://www.mercedes-benz.com.eg>\)](http://www.mercedes-benz.com.eg)
(200 hrs. - month) (Excellent)
- Cairo north power station [\(<http://www.cairoepc.com/cnorth>\)](http://www.cairoepc.com/cnorth)
(174 hrs-6 month) (Excellent)
- Egypt Air Maintenance and works of [\(<http://training.egyptair.com/Promo/SummerTraining>\)](http://training.egyptair.com/Promo/SummerTraining)
(165hrs-5 month) (Excellent)
- GUPCO - Gulf of Suez Petroleum Company
(80hrs-2month) (very good)
- TAC –AL-Tayser AUTO Company
(3month) (excellent)
- O Teaching English (reading -writing - listening)

PERSONAL INTERESTS

Traveling | Reading | football| Classic Cars

REFERENCES

- DR.Mnal Amin Ramadan (Doctor in materials of HTI) (+201065291729)
- DR.Rshad EL-Beshbeshi (doctor in NASA agency) (+201064419967)
- DR. Hashim Al-Attas (IT management. AAC Company) (+966500882030)