

Alaa Mohamed Abd El-Razik Mohamed

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Personal information:

- Date of birth: September, 26, 1992.
- Marital status: Single.
- Gender: Male.
- Nationality: Egyptian.
- Military Service: Spent (Feb2015 -March2016).

Career objectives:

A master holder mechanical engineer with a successful academic track record. Now looking to have a growth oriented and challenging opportunity, where I can contribute my knowledge, skills and enhance my experience through continuous learning and teamwork.

Educational Background:

- 2009: Egyptian general secondary certificate (score: 97%)
- 2014: **Bachelor of Science in Mechanical Power Engineering, Faculty of Engineering, Cairo University.**

Cumulative grade: Distinction with honors.

Ranked as the Third on my department

Significant coursework: Power plants, Refrigeration and air conditioning, Turbo machines, internal combustion engines.

Graduation project: Dual fuel fire tube boiler design for a hospital, Air conditioning system design for Surgery and patient's rooms and full design of a fuel cell unit to provide energy Efficiency in such low carbon buildings.

Graduation project supervisor: Prof. Dr. Essam E. Khalil (Cairo University, Egypt)

- 2015: **Pre-Master with Cumulative GPA: 3.8/4.**
- 2017: **Master of Science in Mechanical Power Engineering, Faculty of Engineering, Cairo University. (Major in Combustion).**

Thesis title: Steady and Transient numerical investigation of auto-ignition characteristics over micro-structured catalytic honeycomb reactors for ch4 and ch4-h2 mixtures.

Under supervision of: **Prof.Dr. Mohamed Ali Hassan - Dr.Hatem Haridy**

- Awarded Certificate for Outstanding Academic Year2011/2012 from

""**Schlumberger**""

Internship:

- General Motors.
- 'SOCO' SUEZ OIL COMPANY.

- El-Kureimat Thermal and Solar power stations.
- 'ATEC' Automotive Technology and Engineering center.
- HYUNDAI Group.
- 'AOI' Aircraft Factory

Experience:

- **Teaching Assistant**, Faculty of Engineering, Mechanical Power Department, Cairo University, Giza, Egypt, Sep.2014 to present.
 - Assisted in teaching Internal Combustion engines, Applied Thermodynamics and Measurement Courses.
- **Teaching Assistant**, Faculty of Engineering, Mechanical Department, Ahram Canadian University, 6th October City, Egypt, March2016 to Sep.2017.
 - Assisted in teaching Fluid Mechanics, Economics and Quality Control courses.
- **Maintenance Engineer**, HYUNDAI Group, Giza, Egypt, July2014 to Feb 2015.

Language Skills:

- **Arabic:** Mother Tongue.
- **English:** Very Good command (Spoken & Written).
- **Germany:** Fair.
- **French:** Fair.

Computer Skills:

- '**CFD**' Using ANSYS Fluent Software
- '**HAP**' Hourly Analysis Program
- **Solid Works**
- **MATLAB**
- Microsoft office "Proficient in MS Word, MS Excel and MS Excel"
- Familiar with Windows

Interpersonal Skills:

- Ambitious to work hard to develop my career
- Problem Solving & Decision Making
- Ability to adapt to change and travel
- Self-motivated, enthusiastic, energetic and positive
- Producing high quality work with an attention to detail
- Ability to meet deadlines and work under pressure
- Discretion and integrity when dealing with sensitive information
- Ability to work well in a team and building and maintaining relationships
- Feel comfortable working with numbers and analyzing data
- Confidence in dealing with senior colleagues

References are available upon request