**Mohamed Alla**

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| **Day of birth:** |  | 5/9/1992 |  |
|  |  |  |  |  | Alexandria, Egypt |  |
| **Residence:** |  |
|  |  |  | Mohamed.307592@2freemail.com  |  |
| **E-mail:** |  |
|  | Single |  |
| **Marital status:** |  |

**Work experience**

Jun,2013 - July, Zakher Marine Int. Co.

2013 **Mechanical Engineer**

**Responsibilities**

Trained on caterpillar and Yanmar diesel engine overhauling

July 2014 - sept. Zakher marine Int. Co.

2014 **Mechanical Engineer**

**Responsibilities**

Trained on operation, control, and maintenance of generators. and A/C units

Jan. 2015 - April Pistrix Team

2015 **Mechanical Design Engineer**

**Responsibilities**

Responsible for ROV body design, motors’ fixation, and buoyancy control

Responsible for design and fabrication of a manipulator arm

Jun 2015 - July2015 Mantrac - Caterpillar Egypt

**Mechanical Mainteanance Engineer**

**Responsibilities**

Responsible for CAT generators maintenance and testing

July 2015 - Aug. Abu-Qir petroleum

2015 **Mechanical Maintenance Engineer**

**Responsibilities**

Trained on operation of Gas engines, Turbo expander turbine, Cranes, and field process operation

**Other professional experiences, references**

Mechanical Design Software: SolidWorks, Autodesk Inventor, ANSYS, Hap

Programming softwares: EES,Matlab, C. Electrical design softwares: mikroC, Eagle, Proteus Microsoft Office: Word, powerpoint, Excel,

**Education**

2011 - 2016

Faculty of Engineering, Alexandria Univeristy

Mechanical Design Engineering

**Certificates and Courses**

Fire fighting Network and system design

water mains and networks sizing and calculations Selection of nozzles, pipes, and pumps

Mechanical equipments' maintenance and repair

·antifriction bearing selection, mounting and dismounting, and failure analysis. Gearbox maintenance Shaft alignment methods and procedures to be followed

Central Air conditioning system

Operation and selection of central air conditioning system equipment Heating and cooling load calculation Determining flow distribution routes and duct sizing

Plumbing system

Design of sanitary drainage and storm drainage system, vent systems, and water supply system. \*Participated in a workshop for a site plumbing system design determining manholes locations, AFL, and I.L. pipe sizing, submersible pump selection, sizing of septic tank, and availability of percolating pit

Printed circuit board

Trained on the design and fabrication of PCB Fabricated a power supply adapter for mobile phone using a 9v battery

AVR micro-controller programming

Trained on programming of AVR microprocessors for various usages. Created a program for the control of two fan motors with variable speed and positioning

**Other skills and abilities**

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| **Language proficiency:** | Arabic | native speaker |
|  | English | expert, interpreting |
|  | French | beginner |
| **Driver's license:** | Groups |  |

