



Mohamed I.E. Heddar

Phd Student



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About me

Mohamed is MSE student at ENSMM , Technology and and computers has always been something of interests to him, figuring out how technology works and where to best apply new technology is something he truly enjoys.He is passionate about science ,design and programming .One thing he really enjoys is having something new to learn he could spend countless hours reading, searching...

Skills

Office Suite

LaTeX

C

Comsol Multiphysics

MatLab

Wolfram Mathematica

Adobe Illustrator

Photoshop*2 InDesign*2

SolidWorks*2 Image processing using Fiji*3

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

- 2019-till now PhD Student ENSMM-Annaba
Elaboration and physico-metallurgical characterization of non-ferrous alloy structures by the additive manufacturing process.
- 2016-2019 Engineering Degree in MSE. ENSMM-Annaba
Experimental Contribution and Simulation to the expertise of the influence of the parameters of the damage of drawn wire (investigation of wire breakage problem during the wire-drawing process).
- 2016-2019 Masters Degree in Surface Engineering ENSMM-Annaba
Modeling heterogeneous materials (micromechanical simulation of dual phase steels using real and artificial microstructure).
- 2014-2016 Preparatory School ESSAT(ex. EPST-Tlemcen)
Undergraduate courses to prepare nationwide competitive exams in Technical Sciences
- 2013-2014 High school Zair Bakir-Eleulma
Specializing in Natural Sciences.

Activities, Honors, Awards:

- 2015 Co-Founder of Texquad Club : ESSAT-Telemcen scientific club
- 2016 Winner of the ESSAT logo design competition
- 2017 Winner of Dorado Cerebro Start-up competition
- 2017-2018 President of Titanium Club
- 2015-2018 Graphic designer at Texquad [2015], Enigma [2017], Titanium [2016-2018] scientific clubs.

Experience

- 2019 TREFISOUND Intern
•Investigated a wire breakage problem.
•Analyzed the fabrication process and its parameters.
•Gathered archived data on the problem.
•Executed some mechanical test.
- 2018 TREFISOUND Intern
•Studied wire-drawing technique and some other processes.
•Assisted the maintenance and the product design procedures.
•Performed administrative duties such as answering phones.
•Interacted with different lab devices.
•Handled some IT problems.
- 2017 National Company for Measuring and Controlling Devices Intern
•Got introduced to the industrial world .
•Explored the hierarchical organization of the company.
•Established a good communication skills.
- 2016 Photoshop coach Volunteer
•Helped some students with some Photoshop basics.
•Provided an introduction to the software.
- 2016 Arduino coach Volunteer
•Gave a presentation on some elementary Arduino basics.
•Debugged some of the students code.
•Demonstrated some simple projects.
- 2016 Séminaire Sur les Granulats Volunteer
•Helped organizing the event.

Languages

Arabic (Mother language), English (IELTS Score Band 7) and French (TCF-SO C1).

Interests

Science, Engineering , Data Science , Computational Materials Science, Graphics Design, swimming and jogging.