



Eng. Youssef ABOU SAMRA

- Address: Fanar-Beirut; Lebanon
- Birthday: 22 Jun 1984
- Place of birthday: Klayaa-Marjayoun; Lebanon
- Phone: +961 (70) 191584
- Email: joseph_spl@hotmail.com
- LinkedIn: <https://www.linkedin.com/in/youssef-abou-samra-40563941>

▪ Objective:

The mechanical engineering is my target to work and achieve my goals. I have more than 3 years of experience in project engineer and 8 years of experience as a machinery's designer in industrial and manufacturing field. I am looking forward to contribute and more evolution with my skills in mechanical and industrial projects in Lebanon and abroad.

▪ EDUCATION

2018	Graduated in Mechanical Engineering - Master's degree. CNAM University "Conservatoire National des Arts et Métiers" - Beirut
2010	Graduated in Physics - Master's Degree. Specialization: Nanostructures & Functional Materials Lebanese University, Faculty of Sciences – Fanar & Claude Bernard Lyon1-France
2008	BS degree in Physics. Lebanese University, Faculty of Sciences – Fanar
2003	Scientific Baccalaureate - General Sciences "Lycée Père Mansour Hokayem - Klayaa"

■ PROFESSIONAL EXPERIENCE

**Nov 2016 –
May 2021**

Mechanical Engineering at Sabitech (Location: Ghazir_Lebanon) “*Bakery Equipment & Machineries*” (Pita Bread, Arabic Bread, Lebanese Bread, Pocket Bread, Tannour Bread...:

- Assure product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provide manufacturing engineering information by answering questions and requests.
- Maintain product and process data base by writing computer programs; entering data.
- Perform 2D and 3D design, detail mechanical drawings, and develop BOMs of the products by using AutoCAD and Autodesk Inventor programs.
- Improve manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout.
- Develop manufacturing processes by studying product requirements; researching, calculation, designing, modifying, and testing manufacturing methods and equipment; conferring with equipment vendors
- Evaluate manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, and materials; conferring with equipment vendors; soliciting observations from operators.
- Complete design and development projects by training and guiding technicians.
- Contribute to team effort by accomplishing related results as needed.

**Oct2013 -
Oct2016**

Head of Mechanical Engineering at Extra Four S.a.r.l (Location: Kfarchima_Lebanon) “*Bakery Equipment & Machineries*” (Pita Bread, Arabic Bread, Lebanese Bread, Pocket Bread...:

- Assure product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provide manufacturing engineering information by answering questions and requests.
- Maintain product and process data base by writing computer programs; entering data.
- Perform 2D and 3D design, detail mechanical drawings, and develop BOMs of the products by using SolidWorks and AutoCAD programs.
- Improve manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout.
- Develop manufacturing processes by studying product requirements; researching, calculation, designing, modifying, and testing manufacturing methods and equipment; conferring with equipment vendors
- Evaluate manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, and

	materials; conferring with equipment vendors; soliciting observations from operators. - Complete design and development projects by training and guiding technicians. - Contribute to team effort by accomplishing related results as needed.
Oct2010 - Sep2013	Project Engineer at CMA for elevators company (Location: Fanar_Lebanon): - Lead an elevator installation project with structural calculation and designing. - Finishing the elevator after installation. - Make monthly maintenance schedule for all elevators' company.
2003 - 2011	Private lessons teacher in Math and Physics for complementary and secondary classes
2007 - 2009	Physics teacher at " Lycée Moderne Libanaise - Hadath " for complementary and secondary classes

■ TRAINING

1 APR 2010 – 1 JUL 2010	Master's Training in Physics. At Claude Bernard Lyon1 University - France: <i>LMI's laboratories.</i> The project was focused on the design and the realization of the Very High Voltage Silicon-Carbide Devices as a PiN diodes. The reason of this project is to reach a breakdown voltage over 15kV, by using a growth method called: Vapour-Liquid-Solid (VLS) mechanism. Also, we used many characterisations technics for this reason as: Spectroscopy's Raman, Strength Atomic Microscopy, SEM Microscopy, IR spectrometer and Raman, and the characterisation technics of electrical properties: measure of I(V), C(V), under temperature forces and the type measure of Hall effects.
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▪ **ADDITIONAL SKILLS**

Microsoft Office	Word, Excel, PowerPoint, Access, Origin and Internet
Computer Programs	AutoCAD, Autodesk Robot, Autodesk Inventor, Autodesk Revit, SolidWorks, SURFCAM

▪ **LANGUAGES**

Arabic	Native
English	Fluent
French	Fluent
German (Deutsch)	Beginner

▪ **OTHER SKILLS**

▪ Strong team player ▪ Strong communication skills	▪ Self-confident and motivated ▪ Willing to travel and relocate
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▪ **HOBBIES**

Music	Studied 3 years Tabla instrument at Lebanese National Higher Conservatory of Music
Sport	Basketball & Football