



# Julien El Ghossain

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in Julien El Ghossain

📍 Zahle, Lebanon

🇱🇧 Lebanese

## Profile

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Mechanical and industrial automation engineer with solid work experience in design, testing, and process analysis, aimed at optimizing overall efficiency of operations. Daring. Dedicated. Eager to learn.

## Education

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**Master's degree in Industrial Automation Engineering,** 2020 – present | Italy  
*The University of Pavia* [🔗](#)

**Bachelor's degree in Mechanical Engineering,** 2014 – 2020 | Lebanon  
*Holy Spirit University of Kaslik* [🔗](#)

## Professional Experience

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**Internship at Suzuki mechanical workshop** 01/2018 – 03/2018

- Maintained, repaired and installed car mechanical parts
- Tested and acquired expertise around various car components and their respective functionalities;

**Internship at Middle East Airlines - MASCO** 01/2016 – 03/2016

- Accumulated expertise on plane components and their mechanical functionalities;
- Learned about airports mechanical systems design and aircraft maintenance hangars;
- Installed, repaired, and maintained airplanes mechanical parts;

**Internship at Sanitary Paper Co Mimosa** 06/2015 – 09/2015

- Maintained and repaired stationary industrial machinery, mechanical equipment, automated and robotic systems
- Assisted in drawing building map and innovated new ideas, via AutoCAD software
- Designed, installed, and tested instruments on machinery with an attempt to enhance safe and smooth flow to meet performance targets;

## Projects

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**Design a milk-foam machine** 01/2019 – 12/2019

- Created the appropriate system to use in the machine;
- Designed a foam maker using an 'Ejector', and tested on CATIA and ANSYS;
- Calculated and tested pipe sizing using ANSYS;

**Design a Flat Plate Solar-Powered Stirling engine** 09/2018 – 12/2018

- Designed and tested a green stirling engine using CATIA and ANSYS;
- Studied the Stirling thermodynamic cycle to obtain the most efficient energy at the inlet and outlet;
- Studied the solar collector to obtain the maximum absorbance of the solar energy;

## Software

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|----------|-----------|--------------|--------|
| • ANSYS  | • CATIA   | • SOLIDWORKS | • JAVA |
| • PYTHON | • AUTOCAD |              |        |

## Languages

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|-----------|-----------|----------|----------|
| • Italian | • English | • French | • Arabic |
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