

# RAMI BOU ANTOUN

**Nationality:** Lebanese  
**Date of birth:**18/08/1999  
**Primary phone number:**+961 78 950 661  
**Secondary phone number:**+961 4 525145  
**Email address:**bouantounrami1@gmail.com  
**Address:**1st street,Daher Cornet Chahwan-Rabwé-Metn-Mount Lebanon

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## EDUCATION

**Faculty of Engineering(ESIB)-Saint-Joseph University** **Beirut,Lebanon**

*Electrical Engineering Diploma-Option Electromechanical M1 equivalent* *September 2017-June 2022*

- Taken courses: Thermodynamics,Hydraulics,Renewable Energy,Fluid Mechanics,Plumbing,Refrigeration Systems,Automation,Industrial Systems,Industrial Designs,Low Voltage installation...

**Collège Des Soeurs Des Saints Coeurs-Bauchrieh** **Bauchrieh,Lebanon**

*Lebanese Baccalauréat-General Sciences(GS)* *September 2016-May 2017*

- Mention "Bien"
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## Work Experience

**Dar Al-Handasah(Shair & Partners)** **Verdun street ,Lebanon**

*Mechanical Engineering Intern* *July 2021-August 2021*

- Calculated the required cooling load in a store containing 22 spaces located in Riyadh using HAP computer program for HVAC calculations in order to opt for the right size of the terminal unit.
- Determined the convenient duct size of each terminal unit installed in each room of the store using DUCTULATOR with its selection from a catalogue.
- Calculated the total fixture unit in both water supply and drainage system using IPC to propose the most convenient size of the pipes.

**BUTEC Tower** **Mkalles Square Dekwaneh,Lebanon**

*Mechanical Engineering Intern* *June 2021-July 2021*

- Conducted a study on the functioning of the refrigeration cycle with its 4 main components along with the HVAC systems such as (DX split, Chillers, AHU...) and their applications.
  - Designed a water supply system for both cold water and hot water systems as well as the drainage system of a building located in Bauchrieh.
  - Estimated the total fixture unit of water supply and drainage network with the selection of the appropriate pipe materials and its specifications.
  - Studied briefly the method to size the storm water network using the rational method and the kirpich equation.
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## Project

**Faculty of Engineering(ESIB)-Saint-Joseph University** **Beirut,Lebanon**

*Multidisciplinary project* *January 2021-May 2021*  
*Production of electrical energy by integrating the organic Rankine cycle(ORC) based on biomass*

- Chose 5 fluids and understood its characteristics (Flammability,toxicity,GWP,ODP,...).
  - Developed a code on MATLAB in order to find out the electrical wattage output of the cycle.
  - Simulated the code on each fluid with the intention of deducing the most convenient working fluid that can produce the electrical wattage output with the maximum efficiency of the cycle and the least damage to the environment.
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## Skills & Languages

- Computer skills:Word,Excel,Power Point,EPANET,MATLAB,AutoCAD,Python,HAP,REVIT.
  - Languages:Arabic(native language),French(Advanced),English(Advanced),German(Beginner)
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## Extracurricular Activities

**Member of the Scout du Liban Groupe Saints-Coeurs Bauchrieh** **Bauchrieh,Lebanon**

*Chief of team* *October 2018-Present*

- Interpreted many topics related to international politics(Brexit), stoicism and science(magic frequency).
- Arranged 1 camp in Jabal Moussa.

### Hobbies

- Basketball,Swimming,Jogging.