

# Omar Jaber

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## OBJECTIVE

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I am looking for a summer internship

## EDUCATION

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- **Bachelor's degree, mechanical engineering, GPA: 3.8/4 (summer 2021)**  
Lebanese American University (LAU)  
2018 – 2022 (*Anticipated*)
- **Lebanese Baccalaureate Certificate of Secondary Education, Average: 17.9 (Spring 2018)**  
Al-Manar High School  
2015-2018

## EXPERIENCE

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- **AEE Renewabe Energy Product Design**
  - Worked along a team of engineers on the development, testing and simulation of an innovative galvanized steel-mechanism mainly used as a holder supporting unit for a wide variety of Photo-voltaic (PV) modules
  - Used engineering drafting and simulation software e.g. AutoCAD, SolidWorks and ANSYS
  - Collaborated in the creation of a technical report highlighting the special features and mechanisms of the assembled unit*Summer 2021 - NovaEnergia SAL, Lebanon*
- **Supervisor at ROUNDfiber**
  - Oversaw the normal functioning of downstream equipment
  - Operated the manufacturing of small diameter pipes by technicians
  - Tested material properties of production specimens*Spring 2021 - ROUNDfiber, Lebanon*

## RELEVANT PROJECTS

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- **Design of a water treatment system**
  - Tackled water pollution and scarcity in the Litani basin
  - Designed full electronic automation for the treatment system
  - Designed filter based around the membrane bioreactor (MBR)*Spring 2021*

## SKILLS

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- **Software**  
Java / C++ / Python programming, SolidWorks, LabView, MATLAB, Excel/VBA
- **Hardware**  
myRIO embedded device
- **Languages**  
English, French, Arabic
- **Others**  
Advanced computer aided data processing, Tex composition system, teamwork and interpersonal relations

## PERSONAL PROJECTS

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- **Ultracool freezer**  
*Design of ultracool freezer for vaccine storage*  
*HAP, Ductulator*
- **Indoor piping**  
*Design of complete indoor piping system with water lines and storage tanks*  
*ALL MECHANICAL CALCULATIONS*

## SOCIAL INVOLVEMENT

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- **Robotics club**  
Active member of the executive body  
2020 – Present
- **ASME student council**  
Active member  
2019 – Present