

# CARLA NAJEM

## Electrical Engineer Pre-Grad

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Beirut, Lebanon

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## EDUCATION

### Bachelor Degree - Electrical Engineering

#### Saint Joseph University of Beirut

2017 - Present

- Specialization : Power Systems
- GPA : 15/20

### Lebanese Bacculaureate

#### Collège Notre Dames des Apôtres - Raouda - Lebanon

2017

- Section: General Sciences
- Bacculaureate grade: 16.3/20

## VOLUNTEER EXPERIENCE

### IEE USJ CLUB

#### Event coordinator

Oct 2020 - Present

- Collaborating with speakers and sponsors for events that aim to introduce students to the world of engineering.

### Scout Leader

#### Lebanese Scouting Association

2013 - Present

- Improved the attendance of members by 40 % in one year.
- Assisted the group in many voluntary services and activities such as elderly visit and food drive.
- Attended several formative camps.

## SKILLS

Leadership

Teamwork

Communication

Problem solving

Organization

Python

Matlab

Autodesk AutoCAD

Proteus

C++

MPLAB

Ecodial

Dialux

TIA PORTAL

Sketchup

Helioscope

Microsoft Office

## LANGUAGES

Arabic

English

French



## WORK EXPERIENCE

### Design Engineer

#### Dar Al Handasah

July 2021 - August 2021

- Familiarized with the practical side and regulations for the electrical design engineering world.

### Electrical Engineer

#### Navitas Technology LLC

July 2021 - August 2021

- Worked as a Solution Consultant in lighting efficiency and energy management as part of the Association of Energy Engineers Lebanon's 1st Online Internship Program.

### Energy Engineer

#### SolarWind Middle East

Jun 2021

- Supported senior engineers team members in identifying and developing energy efficiency projects.
- Performed load estimating, equipment sizing and plants designing for solar PV systems.

### Electrical Engineer

#### JN Atelier

2017 - Present

- Participating in power supply's production.
- Providing technical assistance to field personal in the areas of power supplies.

### Electrical Engineer

#### MATELEC Group

Aug 2019

- Learned the core concepts of distribution and power transformers' production.
- Acquired the substations and testing strategies.

## COMPETITION

### MIT COVID-19 Challenge

Nov 2020

- Suggested ideas in order to humanize artificial intelligence for the future of work and systems in the age of covid-19.

### MIT Lebanon Challenge

June 2020

- Developed the idea of applying the reverse electrolysis technique in Lebanon as a new source of renewable energy to solve Lebanon's economic challenges and help society navigate a post COVID-19 world.