

Tonia Geagea

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Leadership Experience

1. Local Community **Vice President** of Finance and Legalities at AIESEC in Beirut
December 2021-Present

2.WIE (Women in Engineering)-IEEE LAU, Student Branch **Director**
October 2021-Present

3. Finance and Legalities **Coordinator** at AIESEC in Beirut
July 2021-December 2021

4. **Math Tutor** for middle school students with BASSMA NGO
March 2021- September 2021

5. **Finance Manager** at Faith and Light: **November 2019- November 2021**

6. **Secretary** of the Youth Pastoral Committee.
February 2021-Present

7. IEEE active member
August 2018-Present

Experience

Physics Content Creator for University Students at StudySmarter.
January 2022-Present

Creating articles and study material covering physics topics.
Reviewing material already created.

Start-up development under MEPI and USAID Program.
August 2021-Present

Partnership with **UNDP** to work on implementing **a reliable microgrid with energy trading** in an urban or industrial area in Lebanon.
I am part of the electrical and hardware development team. My responsibility focuses on researching the existing literature, running simulations and modelling systems.

Undergraduate Research Assistant at LAU
May 2021-Present

I am assisting my professor in writing a paper on zero-carbon emissions microgrids.

I am responsible on **researching** the previous literature, **discussing systems, modelling** them using GAMS, observing, and **analyzing** results.

Key Skills

Proficient and well experienced in **Microsoft Office** (Word, Excel, and PowerPoint), **Google Drive**, **MATLAB**, **Simulink**, **GAMS**, **Dialux evo**, **AutoCAD**.

Very good in Quartus, Spice, and Power World simulator.

Languages

Fluent in English and Arabic.

Very good in French.

Experience

Electrical Engineer Intern at EMDC group, Jal El Dib

June 2020-August 2020

I was trained in the applied aspects of Electrical Engineering Design and related Calculation by performing the following tasks:

1. Knowledge of Codes requirements and their applications concerning: Lighting design, Power System, Fire Alarm System, Telecom Alarm System, Security System
2. Integration of the above in the Electrical Design **for the following Projects:** IT showroom, Iraq and King Faisal Air Academy, Saudi Arabia

Education

Lebanese American University (LAU)— Bachelor's in Electrical Engineering

August 2018-May 2022

Enrolled on a **full merit and leadership scholarship** funded by USAID. CGPA: 3.4/4.0. Placed on the **Honors' List of the School of Engineering**.