

# Bahaa Assadi

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## Objective

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To pursue a career in electrical engineering in a well reputed company where I can prove my skills and knowledge in this field.

## Education

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### **Lebanese American University LAU, Byblos, Lebanon**

Fall 2016 – Present

Bachelor's in Engineering in Electrical Engineering

ULYP Scholarship Recipient

Graduation: Spring 2021

### **Dr. Bizri High School, Saida, Lebanon**

2013-2016

Baccalaureate in Life Sciences

Standing: Good

## Experience and Projects

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### **Jubaili Bros- Saida, Lebanon Intern**

Summer 2019

- Worked in electrical and mechanical assembly of diesel and synchronized generators and how to connect them to the grid and worked in maintenance.

### **Majed Hijazi & Partners Intern**

Summer 2020

- Worked as site and design engineer in charge of checking the quality and quantity of electrical services, shop drawing, and construction site supervision and inspection.

### **Smart Grids Optimization Project**

Fall 2019

- Solved and optimized a nonlinear programming demand response bidding and pricing system of a virtual power plant using GAMS.

### **Final year project: Automated AL Bi-Reflectors for PV Systems**

Spring 2021

- Tackled two topics: protection and efficiency using fully automated system of light sensors, heat sensor, aluminum sheets reflectors, and stepper motors, with two options of automatic and manual control.

### **Electronics Lab project**

Spring 2019

- Built a single axis solar tracking device for solar panels to follow the direction of the sun and maximize efficiency using electronic devices (different types of diodes, OpAmps, dc motor, potentiometers).

### **Microelectronics Project**

Fall 2020

- Designed and built an AM receiver with adjustable resonance frequency and volume.

## Extracurricular Activities and Professional Development

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- Member of the IEEE Student Branch Club, LAU Byblos Spring 2019- Present
- Member of the Engineers without Borders Club, LAU Byblos Spring 2018- Present
- Participated in a workshop for public speaking skills organized by the Palestinian Student's Fund. 2018
- Participated in an electrical engineering workshop to recognize different field working skills. 2017

## Skills

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- Language Skills: English (Fluent), Arabic (Native) and Spanish (Beginner)
- Hardware skills: Microcontrollers, electronics, logic circuits, oscilloscope, multimeter, soldering.
- Software Skills: AutoCAD, DIALux, Ecodial, Assembly, Java, C, HTML, JavaScript, MATLAB, PVsyst, GAMS, Revit, Microsoft Office Suite, circuit testing software (Simulink, Quartus, Pspice, Proteus)
- Professional Skills: Public Speaking, Research and Report Writing, Presentation.