

Wafaa Salloum

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EDUCATION

Al- Maaref University
Bachelor of Engineering, Electrical and Electronics Engineering
CGPA: 3.86 (Graduated in Fall 2022)

- ❖ **Relevant Coursework :** Industrial Electrification, Digital Communication , Energy Conversion, Digital Control ,Linear Control Systems , Digital Microprocessors , Power Electronics , Power Systems , Integrated Circuit.
- ❖ **Skills :** AutoCAD, OrCAD , Proteus, Arduino , C++ , Eagle , MATLAB.

EXPERIENCE

- ❖ **Internship** **Summer 2021**
 - Trained for two months at Power and Automatic Control (PAC) company.
 - Covered low voltage panel boards and engineering software's (Automation Builder and E-design).

RELEVANT PROJECTS

- ❖ **Wireless Pacemaker Battery Charger (FYP)** **Fall 2022**
 - Worked in pairs to build a wireless system that recharge pacemaker battery based on inductive coupling.
 - Modeled the transmitter and receiver coils as well as the circuit at Ansys software.
- ❖ **Electrical Installation Design** **Fall 2022**
 - Designed the electrical installation of a single-family dwelling unit (Villa).
 - Performed all the necessary calculations based on the American standards (Demand load , Load balance , Voltage drop calculation , Short circuit analysis and Single line diagram).
- ❖ **Boost Converter** **Spring 2021**
 - Worked in pairs to design and build a boost converter which step-up the photovoltaic voltage which ranges from 14-24V to 48V.
 - Used Arduino Uno to close the loop thus any variation in input voltage or load current won't affect the output voltage .

LEADERSHIP & ACTIVITIES

- ❖ **Teaching Assistant** **Spring 2018 – Spring 2020**
 - Trained new Electrical and Computer Engineering students to simulate electric circuits using PSpice software.