

Haydar Ezzedine

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OBJECTIVE

A hard-worker, well organized, innovative 4th year electrical and computer engineering student, with on power.

EDUCATION

From 09/2017 to 05/2021	American University of Beirut Bachelor in Electrical and Computer Engineering, with emphasis on Power Minor in Mathematics Expected Date of Graduation: June 2021 Courses Taken: Electric Machines and Power Fundamentals, Fundamentals of Power Systems Analysis, Advanced Power System Analysis, Electric Drives, Energy Efficiency in the Power Sector, and Renewable Energy Systems Average over 100: 83, Dean's honor list: fall 2017/2018, fall 2019/2020, spring 2019/2020, fall 2020/2021.	Beirut, Lebanon
From 09/2005 to 05/2017	Beirut Modern School Lebanese Baccalaureate in life science: Official in 2017 Mention Bien	Beirut, Lebanon

EXPERIENCE / EXTRA-CURRICULAR ACTIVITIES

From 12/2019 to 01/2020	Amine Developers - Designed electrical plans for apartments on AutoCAD. - Designed lights, plugs, sockets, and low currents systems (fire alarm, security cameras, phone and data cables). - Scheduling load for electrical plans and deciding the cable size, rate of incomer, isolator.	Beirut, Lebanon
From 05/2020 to 08/2020	AUB research intern - Worked with PhD student on his research concerning design and optimization of permanent magnet synchronous generator for wind turbines - The internship included research part, and simulation part using ANSYS.	Beirut, Lebanon
From 09/2020 to present	Final Year Project - Led a team of 3 members to design synchronous generator for wind turbines - Expecting to build a generator prototype by the end July 2021.	Beirut, Lebanon
From 09/2019 to 09/2020	Lebanese Red Cross Position held: Volunteer - Assisting Red Cross in voluntary works and activities - Taking part in HVP sub-committee	Beirut, Lebanon

PROJECTS ACCOMPLISHED

- Micro-controller based Project 2019:** Led a team of three to program a memory game into a pic microcontroller. Technologies used: PIC assembly language, Proteus simulation software. (In AUB)
- Bridge Building Competition 2018:** Led a team of five to design and build a bridge using only balsa wood which required: Innovation, teamwork, leadership. (In AUB)
- Sumo Robot Competition 2018:** Programmed a LEGO robot using LabVIEW graphical programming tool. (In AUB)

SUMMARY SKILLS

COMPUTER SKILLS: MS Word, Excel, PowerPoint, AutoCAD, ANSYS, MATLAB, Python, VHDL, C++, PIC programming, LabVIEW, Proteus.

LANGUAGES: Fluent in English, Arabic and French. (Reading, writing and speaking)

SOFT SKILLS: Leadership, Communication, Team-Building, Organizational, Management, Public Speaking.

RESEARCH SKILLS: Innovation, Complex Problem Solving.

INTERESTS AND HOBBIES

- Sports: Swimming, Muay Thai, MMA, Soccer.
- Artistic: Drawing & Painting.