

**Maroun Wakim**  
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## OBJECTIVE

Electrical and Computer engineering student minoring in biomedical engineering seeking an internship in electrical engineering

## EDUCATION

<b>From 09/2019 to 6/2023</b>	<b>American University of Beirut</b> Bachelor's in Electrical and Computer Engineering Minor in Biomedical Engineering GPA: 3.9/4 Relevant courses taken: Electric Drives, Signals and Systems, Electric Machinery and Power Fundamentals, Electronics	Beirut, Lebanon
<b>From 9/2010 to 06/2019</b>	<b>Lebanese School of Qatar - LSQ</b> Graduated with high distinction	Doha, Qatar

## EXPERIENCE/PROJECTS

<b>From 09/2021 to 12/2021</b>	<b>Biomedical Signal and Image Processing Course</b> <ul style="list-style-type: none"><li>• Worked on 4 projects covering diverse biomedical applications</li><li>• Developed or improved signal processing algorithms and control systems</li><li>• Designed digital filters</li><li>• Worked on detecting biological signals embedded in noise</li></ul>	Beirut, Lebanon
<b>From 06/2021 to 07/2021</b>	<b>Processor Design Camp</b> <ul style="list-style-type: none"><li>• Designed and implemented a 32-bit RISC V processor using VHDL</li></ul>	Beirut, Lebanon
<b>From 02/2021 to 12/2021</b>	<b>3D Vision Project</b> Position Held: Electrical system design and PCB design Engineer <ul style="list-style-type: none"><li>• Designed a 4-layer PCB for the electrical system of a 3D printer</li><li>• Printed circuit board layouts and routing of electronics providing maximum circuit density, minimizing electromagnetic emissions</li><li>• Provided postproduction support by identifying complex technical issues, evaluating options, and implementing solutions</li></ul>	Doha, Qatar

## VOLUNTEERING/OR EXTRA CURRICULAR ACTIVITIES

<b>From 11/2021 to 2/2022</b>	<b>Undergraduate Research Volunteering Program</b> <ul style="list-style-type: none"><li>• Wrote a literature review about alginate nanoparticles in the treatment cardiovascular diseases</li></ul>	Beirut, Lebanon
<b>From 01/2021 to 02/2021</b>	<b>MENA Hackathon Competition</b> <ul style="list-style-type: none"><li>• Worked with a team to design a smart mask and an app aimed to reinforce social distancing and warn the user of potential nearby covid cases</li><li>• Achieved 2<sup>nd</sup> place</li></ul>	Beirut, Lebanon
<b>From 04/2020 to Present</b>	<b>Cogs and Caffeine Magazine</b> Position Held: Writer <ul style="list-style-type: none"><li>• Interviewing engineering experts and writing articles about their recent work</li></ul>	Beirut, Lebanon

## SKILLS

**Languages:** Fluent in English, Arabic, with basic knowledge in French

**Computer Skills:** Python, MATLAB, C++, VHDL, Assembly, Pspice, Modelsim, EasyEDA, MS Word, Excel, PowerPoint

**Technical Skills:** Signal processing, Image processing, Machine Learning, PCB design, Electrical system design

**Soft Skills:** Logical thinking, Communication, Cooperation, Research, Value education

**Certification:** - Signal Processing Onramp (Online course on MATLAB)  
- Image Processing Onramp (Online course on MATLAB)