

Nadim Younes

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Education

- **American University of Beirut, Lebanon** (Expected graduation in 2023)
Bachelor of Engineering in Electrical and Computer Engineering, Minor in Mathematics. GPA 4.0
- **Collège des Soeurs des Saints Coeur - Ain Najm, Lebanon** (Graduated in 2019)
Lebanese Baccalaureate in General Sciences with distinction.

Work Experience

- **Electrical Engineering Internship:** Elie Sobhie office – Beirut, Lebanon. Learned to use Autocad, Revit and DIALux to design electrical systems for lighting and power, and used these skills to assist the completion of plans for a Saudi Airport (May and June of 2021)
- **Lifeguard:** Waves Aquapark – Beirut, Lebanon. Completed Water Safety Training and was responsible for the safety of adults and children, and giving first aid in case of emergencies (2018).

Projects and Activities

- **MATLAB Course Projects:** (2021)
Signal processing and filtering project where I developed code to create an echo to a sound file, eliminate noise, and isolate and eliminate the bass drum from a drumming track.
Position controller for a glass handling robot where I modeled the robotic arm from a given response and designed a PID controller and a compensator to achieve the required response.
- **Beirut AI Bootcamp and Agri Hackathon:**
Successfully completed the Beirut AI Bootcamp, in conjunction with Microsoft, that covered Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, and Time Series Analysis, using Python. (2021)
Participated in a hackathon and helped my team of four develop a computer vision code consisting of a Convolutional Neural Network (Keras library) and Image Processing (OpenCV library), to sort apples into two categories according to quality. (2021)
- **VEX Robotics Competition – Lebanon:**
Team member, worked on mechanical and electrical design (2017-2018)
Leader of a team of eight. Worked on mechanical and electrical design, coordinated programming of autonomous mission, helped my teammates in completing their tasks, developed game strategy and qualified to VEX Robotics World Championship (2018-2019).
- **Lebanese Red Cross:** First Aid and First Responder Training (2018-2019).

Languages and Skills

- **Languages:** Arabic (native language), French (Fluent), English (Academic and Technical writing)
- **Computer Skills:** MATLAB – Python – C++ – PSPICE – VHDL – MS Word, Power Point and Excel – Research for scientific literature
- **Soft Skills:** Quick Learning – Critical Thinking – Problem Solving – Listening Skills – Attention to Detail – Taking Initiative
- **Relevant university courses:** Electric machines and drives – Electronics – Control systems – Electromagnetics – Energy storage and sustainable systems – Machine learning (in progress) – Power electronics (in progress) – PV and wind electric energy systems (in progress)