Aymane El Baarini / Electrical Engineer

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EDUCATION

Lebanese American University, B.E. Electrical Engineering   Sept 2015 - Jun 2019

Courses on different aspects related to Electrical, Computer and Mechatronics Engineering

- Graduated with a GPA of 3.71/4.0
- Ranked 2nd among my class graduates and placed on the Dean's Distinction List
- Received two competitive scholarships to study at LAU:
  - USAID-funded full scholarship for entire university career for academic and leadership performance (45 scholarships for 700+ applicants)

The Baccalaureate Scholarship (awarded to students with scores of 17 out of 20 and above on the official Lebanese Baccalaureate)

WORK EXPERIENCE

Electrical Engineer, IFAS, Riyadh, KSA   Aug 2021 – Present

- Performing MEP corrective and preventative maintenance for all buildings
- Checking, repairing, and servicing machinery, equipment, systems, and infrastructures.
- Contacting and negotiating with suppliers to perform corrective maintenance for systems and equipment
- Preparation of MRF (Material Request Form), issuing tickets for maintenance
- Submitting technical reports and following up with client to ensure proper handover

SKILLS

IT: Proficient in *Excel, PowerPoint, Word, Java, Assembly, Verilog, VHDL, MATLAB, Ecodial, DIALux, AutoCAD, P-spice, and Quartus.* Working knowledge of *Python, C, and C++*

Languages: Arabic (native), English (Full Professional), French (Working Professional)

EXTRA-CURRICULAR ACHIEVEMENTS

Vice President of LAU Robotics Club   Sept 2018 – May 2019

The Robotics Club's main aim is to help Engineering Students understand aspects of Robotics

- Lead a team of 6 students running the club for over a year
- Organized 3 events throughout the year gathering a combined 100+ attendees
- Trained 100+ Junior Engineering Students to get involved in Robotics
- Awarded by the Dean of Students for being the most instructive club at LAU

Manager of a Community Service Project in Northern Lebanon   Sept 2017 – Dec 2017

The project aimed to introduce the youth to the latest advancements in technology

- Created a team of 6 students and lead them from ideation to implementation
- Built successful relationships by partnering with one NGO and two municipalities in the region

ACADEMIC PROJECTS

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Indoor positioning using visible light communication   **April 2019**

Implement a prototype based on visible light communication (VLC) to provide indoor localization for buildings using a smartphone and existing LED lights in the building.

Automated Balloon Buster   **Dec 2018**

Implement a prototype based on visible light communication (VLC) to provide indoor localization for buildings using a smartphone and existing LED lights in the building.

Air-Blown Ball Position Control   **April 2018**

Implementing a Fuzzy-PID controller on the LabView using my Rio, to regulate the speed of a fan blowing air into a tube to keep a Ping-Pang ball suspended at some predetermined position in the tube