

Awon Alnsour

Electrical & Computer Engineer



PERSONAL SUMMARY

Nationality: Jordanian

Date of Birth: 29/8/99

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PROFESSIONAL SUMMARY

Enthusiastic, talented, and highly motivated electrical and computer engineering with proven leadership capabilities, passionate about artificial intelligence and renewable energy systems, and likes to take initiatives and seek out new challenges.

EDUCATION

Higher Education:

American University of Beirut (AUB), Beirut, Lebanon

Bachelor's degree in electrical and computer engineering - Concentration in **power & energy systems** and **Artificial intelligence** – Jubilee Merit Scholarship

Class of 2023

General Education:

Jubilee Institute, Amman, Jordan

Cambridge IGCSE (A-levels)

Class of 2017

INTERNSHIPS

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| <ul style="list-style-type: none">• HM-Lab, Beirut, Lebanon• Worked as a research assistant for Dr. Mariette Awad.• VR developer, Unity expert, and C-sharp programmer• Worked as a tech support during the implementation of VR- therapy project at AUB-Medical Center• Worked on the design of AUB's first virtual lab• Gave orientations about VR and Unity to newcomers. | 06/22 – 05/23 |
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PROJECTS

VR Therapy, Beirut, Lebanon

09/21 – 06/22

VR Design Team Leader

- VR therapy is a project funded by AUBMC aiming to create pilot interventions using VR technology to enhance the cognitive ability in Multiple sclerosis patients.

- Worked on the design of VR scenes using Unity to develop natural and urban interventions for the patients.
- Worked on the design of an app that does follow-up exercises after scheduled interventions.
- Got featured on The Researcher program on LBCI and won the competition.

ECE Virtual Lab, Beirut, Lebanon

06/22 -05/23

VR Developer

- Creating AUB's first ever virtual lab
- Worked on the design of the Lab model using unity
- Worked on coding mini-games and quizzes using C-sharp

SchedBest, Beirut, Lebanon

02/21 - 05/21

Team Member

- Worked on the design of a smart schedule generator for AUB students.
- The website utilizes artificial intelligence techniques to generate the optimal schedule aiming to minimize the workload.
- Tasked with designing and writing the code for the recommender system.

Smart Gas System, Beirut, Lebanon

02/22 -05/22

Team Member

- A project that aims to create a smart gas system that monitors gas pressure, concentration, and ambient temperature then produces safety responses by alerting staff via sirens, displaying information on a screen, and cutting the power supply at critical thresholds.
- Worked on the design and implementation of the control system, Arduino programming, sensor calibration, and shopping for the electrical components.

Up-Cycle, Beirut, Lebanon

02/19 - 05/19

Founder

- Worked on a start-up called "Up-Cycle" that aims to produce construction blocks from plastic waste
- The startup introduced the idea of creating cheap portable housing units and shelters for homeless citizen and refugees utilizing two novel up-cycling technologies
- Produced a feasibility study and participated in the IBDA 2019 competition
- The project is currently used by AUB as a reference to new students willing to participate in the IBDA competition.

TERM PAPERS

Electromagnetic fields in the power sector, Beirut, Lebanon

02/22 -05/22

Author

- A term paper focused on studying feasible mitigation strategies to counteract EMF produced by power lines
- Worked on measuring EMF produced by overhead powerlines at AUB and Bliss street
- Worked on a cost-benefit analysis for different mitigation protocols regarding largescale and local power line schemes.

Shell Oil: What if? Beirut, Lebanon

02/21 - 05/21

Author

- Worked on a term paper regarding shell oil production; the economic and political factors preventing it from replacing oil as the primary source of energy.

Hydrogen Fuel: A futuristic approach, Beirut, Lebanon

02/21 - 05/21

Co-Author

- Worked on a term paper regarding the potential of Hydrogen cells to overtake petrol-based engines.

EXTRACURRICULAR ACTIVITIES

- **AUB Outdoors** – Participated in weekly brainstorming marketing meetings and delivered online and offline campaigns around Beirut.
- **AUB Outlook** – wrote a weekly column in the newspaper.
- **AUB Jordanian Club** – organized events that aim to introduce students to the Jordanian culture, cuisine and traditions.
- **Reshehbyown** – created a poetry page on Instagram to showcase my poems and is currently sitting at 17k followers.
- **Safe Homes** – Volunteered for 400 hours with the Jordanian Women's Union Association to support and educate children residing in safe homes.

SUMMARY SKILLS

Languages: Fluent in English and Arabic.

Programming skills: Python, C++, C, Java, VHDL, MATLAB

Software skills: AutoCAD, OrCAD PSpice, MPLAB, Proteus, mikroC, Vivado, Unity

Soft skills: Creativity, Communication, Leadership, Research, Teambuilding, Public Speaking, Organization, Teamwork, and Entrepreneurship.

Engineering Skills: Machine Learning, Power System Analysis, Programming, Automation, Circuit Design and Implementation, Instrumentation, Control Systems Design and Implementation.

Interests: Artificial Intelligence, Renewable Energy, Power Systems, Automation, Virtual Reality, Circuit Design, Control Systems.