

Nour Nasrallah

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Beirut, Lebanon

EDUCATION

2018-2022| B.S. in Applied Physics School of Arts and Sciences, Lebanese American University (LAU)

PROFESSIONAL EXPERIENCE AND EXTRACURRICULARS

2021-Present| Running a small online business in sustainable fashion

Being the sole manager of my own small online shop in Lebanon. Responsibilities included sourcing the products, marketing, dealing with costumers, accounting, working with the delivery company and so on. This has given me hands on experience in the business world.

2023| High Temperature superconductors

Researching with the Lebanese American University the proper nanoparticles to be added for the maximum efficiency of a type two superconductors. Data was gathered at the lab after careful study and then it was coded into graphs to analyze the best approach possible.

2023| Cancer Research using a laser approach

Researching with the Lebanese American University the most effective approaches to killing tumor cells inside the body using the most advanced techniques in nanotechnology. This was done through plotting and analyzing the equations representing the magnetic fields around the nanometals to determine the best factors for maximum efficiency inside the human body.

2022| Innovation Internship at Nucleus Ventures

Part of the UK Tech Hub where we work alongside startup teams and assist them in finding the right pathway to enhance in their business. Role mainly requires targeting suitable profiles for mentors and investors, planning workshops and bootcamps alongside working on the technical aspect.

2022| Butterfly Effect project

Trying to understand and applying the mathematical concept plotting Lorenz differential equations in 3 dimensions to understand how a minor change in the initial data results in a major deviation of the plot as time increases, which is known as the butterfly effect.

2020_2021| Studying the spread of the SARS-Covid virus

Simulating the spread of the covid virus using differential equations affected by the initial conditions (vaccination, immunity, travelling, age...) of the Lebanese population to predict solutions to limit the cases. Our main question imposed was to understand if it would be better to use the excess vaccines for people who haven't been vaccinated yet or give the rest of the population a third dose.

2019-2022| President of the Astronomy Club

Organizing trivia nights, stargazing events, and visual explanations of important topics in astronomy such as blackholes, neutron stars, and time travel in collaboration with experts in the field.

2019_2021| Teaching Assistant for Physics courses.

Provided solving sessions for the Electricity and Magnetism course and Modern Physics course at LAU, and proctored sophomores during physics exams.

ACHIEVEMENTS

2022| Endeavour Award in Applied Physics by the Lebanese American University department of Arts and Sciences for continuous achievements despite challenging situations

2021_Present| Awarded LIFE scholarship to complete undergraduate study due to academic excellence and selected to become a scholar in the LIFE network

2018_Present| Added to the dean's distinction list since the first semester for maintaining outstanding GPA

2018| Awarded a Baccalaureate Scholarship at LAU due to remarkable academic performance in the Lebanese Baccalaureate

SKILLS

Language: Arabic (native), English(fluent) and French(beginner)

Coding languages: Java, Python and MATLAB

Personal Skills: Efficient in time management and working under pressure, highly trained in problem solving and analysis, meticulous in work ethic, and experienced in public speaking, teamwork, and leadership