

# ELISSA AYOUB, PHYSICS STUDENT

Saida, Lebanon, +961 81 770 501, [elissaayyoub2@gmail.com](mailto:elissaayyoub2@gmail.com)

## PROFILE

---

A physics student who's ambition crosses the horizon and beyond. I'm an enthusiast when it comes to nurturing my knowledge in interdisciplinary fields; for I'm intrigued to read and navigate in different sciences. I'm also planning on continuing my master's degree in data analysis.

## SKILLS & ABILITIES

---

Microsoft Excel	Data Cleaning
Microsoft 365	Problem-Solving abilities
Tableau (learning in progress)	Fast Learner
Java	Ability to Work Under Pressure
C/C++	Leadership and Teamwork
Data Entry	Communication and Presentation

## EXPERIENCE

---

### Researcher at Beirut Arab University , Debbieh

Dec 2022 — Present

- Synthesized nanoparticles in the material science laboratory.
- Analyzed the physical properties of nanoparticles using Excel (XRD, XPS, TEM).
- Worked in the material science field to study the photocatalytic activity of doped nanoparticles.
- Worked in the microbiology lab to evaluate the antimicrobial activity of doped nanoparticles.
- Collected data related to the inhibition of bacteria under the action of doped nanoparticles, as well as data related to the photocatalytic activity of doped nanoparticles.
- Entered the collected data separately in Microsoft Excel.
- Analyzed the collected data using Microsoft Excel.

### Private Tutor at Freelance, Saida

Jan 2023 — Sep 2023

- Evaluated the student's current level of knowledge and skills in the subject matter.
- Identified the student's strengths and weaknesses to create a customized learning plan.
- Collaborated with the student and/or their parents to establish clear, achievable learning objectives.
- Break down long-term goals into smaller, manageable milestones.
- Offered guidance on effective study techniques, time management, and organization skills.
- Provided emotional support and motivation to boost the student's confidence and morale.

## EDUCATION

---

### Physics , Beirut Arab University

Sep 2021 — Jul 2024

- Developed a comprehensive understanding of fundamental laws governing the physical universe during my physics major.
- Coursework in classical physics, quantum mechanics, and electrodynamics cultivated a robust analytical mindset and refined critical thinking skills.
- Navigated advanced mathematical concepts, establishing proficiency in extracting meaningful insights from complex datasets.
- Completed an Introduction to Programming course, mastering fundamental concepts and syntax.

- Applied Object-Oriented Programming principles, demonstrating proficiency in designing modular and scalable code.

### **Diploma in Life Sciences , Iman High School , Saida**

Jul 2021

## **CERTIFICATES**

---

### **IC3, Beirut Arab University**

Jun 2023 — July 2023

## **COMPETITIONS**

---

### **MODEL UNITED NATIONS at Lebanese American University , Jbeil**

Sep 2018 — Feb 2019

- Elevated global awareness among students through a program focused on imparting life skills.
- Emphasized key competencies, including peaceful conflict resolution, creative communication, and leadership.
- Conducted seven training sessions involving role-playing and diplomatic approaches to address controversial issues.
- Orchestrated a two-day conference, where students acted as ambassadors representing specific countries.
- Aligned conference discussions with the United Nations Agenda to foster a deeper understanding of global issues.
- Developed and implemented curriculum for the program, ensuring comprehensive coverage of relevant topics.
- Facilitated engaging and interactive sessions to enhance students' practical skills in diplomacy and global affairs.

### **HIGH SCHOOL PROGRAMMING CONTEST at Rafik Hariri University**

Sep 2018 — Dec 2018

- Acquired the fundamentals of programming through various coaching and training sessions organized by Rafic Hariri University.
- Utilized problem-solving abilities and applied C/C++ programming skills in a three-hour contest

## **VOLUNTEERING**

---

### **FOSTERING AND HELPING STRAY ANIMALS**

Jun 2018 — Present

Dedicating personal resources to foster kittens and provide care for injured or vulnerable stray cats and dogs, all undertaken at my own expense.

### **BACK TO SCHOOL OPEN DAY at Marj Ben Amer Prep School for Girls**

Sep 2018 — Sep 2019

Adorned classrooms designated for first, second, and third graders to cultivate an inspiring school atmosphere on their initial day, and actively participated in engaging activities such as dancing, drawing, and chanting to enhance the experience for students in these grades.

### **16 DAYS OF AWARENESS AGAINST GENDER BASED VIOLENCE-THEME EARLYMARRIAGE at Marj Ben Amer Prep School for Girls**

Nov 2019 — Nov 2019

Addressed ninth-grade students, emphasizing the significance of education in empowering girls, particularly those who are refugees, to pursue and achieve their aspirations.

### **FEELING WELL ACTIVITY at Marj Ben Amer Prep School for Girls**

Apr 2021 — Apr 2021

Facilitating psycho-social support initiatives with the goal of enhancing the mental well-being of students in the role of an assistant facilitator.

## **LANGUAGES**

---

Arabic (Native) , English (Fluent)