

Lana Matar

CONTACT

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OBJECTIVE

Motivated junior Bioinformatics student at the Lebanese American University with strong interests in computational biology, genetics, and biomedical research. Experienced with bioinformatics databases, molecular biology techniques, and programming in Python and Java. Seeking research and internship opportunities to apply computational and biological knowledge to challenges in healthcare and life sciences.

EDUCATION

- **Bachelor of Science in Bioinformatics**
Lebanese American University (LAU), Lebanon | 2024–Present
GPA: 3.77/4.00
- **Selected for Study Abroad Program at Kent State University | Spring 2026**
Tomorrow's Leaders Study Abroad Program, funded by the U.S. Department of State through the Middle East Partnership Initiative (MEPI)
- **Lebanese Baccalaureate**
Al Rabih School, Qabr Shmoun, Lebanon | 2024
Score: 18.564/20

HONORS & SCHOLARSHIPS

- Recipient of the Tomorrow's Leaders Undergraduate (TLU) Scholarship, Lebanese American University, funded by the U.S. Department of State through the Middle East Partnership Initiative (MEPI) | 2024–Present
- Selected for the Honors Program, Lebanese American University | 2025–Present
- Community Engagement Certificate, Tomorrow's Leaders Study Abroad Program, Kent State University | May 2026
- Selected for the Tomorrow's Leaders Undergraduate (TLU) Mentorship Program | Fall 2025
- Dean's Honor List, Lebanese American University | Fall 2025
- Dean's Distinction List, Lebanese American University | Fall 2024, Spring 2025
- Merit Scholarship, Al Rabih School | 2022–2023 (25% tuition coverage)
- Merit Scholarship, Al Rabih School | 2023–2024 (50% tuition coverage)

SKILLS

- Technical Skills:**
- Programming Languages:
Python, Java
 - Laboratory Techniques:
Microscopy, Spectrophotometry, Enzyme Assays, Chromatography, Dissection
 - Biological Databases and Bioinformatics Tools:
ENSEMBL, BioMart, BLAST, NCBI, UniProt, FASTA, CLUSTAL, MAFFT, GenBank, T-COFFEE, MUSCLE
 - Statistical & Analytical Skills:
Biostatistics, Statistical Data Analysis, Hypothesis Testing, Data Interpretation
 - Molecular Biology Techniques:
DNA Extraction, Plasmid DNA Isolation, PCR, Restriction Enzyme Analysis, Bacterial Transformation, Bacterial Conjugation, Genetic Mapping
 - Programming & Computational Skills:
Object-Oriented Programming, Data Structures & Algorithms, Algorithm Design, Problem Solving
- Languages:**
- Arabic (Native), English (Proficient), French (Basic)
- Soft Skills:**
- Problem Solving, Critical Thinking, Communication, Teamwork, Adaptability, Time Management

RELEVANT
EXPERIENCE

Volunteer in a research lab

- **Khoury Lab, Lebanese American University (LAU), Beirut | 2025–Present**
- Joined the lab and currently undergoing onboarding and training in computational biology workflow
- Learning to run scripts, troubleshoot code, and understand data analysis pipelines used in biology research
- Preparing to contribute to ongoing research projects under supervision

Volunteer

- **Child Cancer Center of Lebanon (CCCL), AUBMC, Beirut | Sep–Dec 2025**
- Supported pediatric patients in inpatient and outpatient units through recreational activities
- Helped create a positive and supportive environment for children during treatment visits
- Assisted in reducing stress for patients and families during hospital waiting periods

Volunteer Data Collector

- **Innovators Gate | Lebanese National Survey on Future Careers | October 2022**
- Conducted interviews and collected data from Lebanese youth (aged 11–18) and their parents.
- Enhanced social and communication skills while engaging in community outreach.
- Received the TechStans Certificate for contribution.

Team Member

- **Adyan Foundation | 2021 – 2022**
- Contributed to an environmental project in Qadisha Valley through digital documentation of species data
- Linked biodiversity information to QR-based educational resources
- Collaborated in a multidisciplinary team on field-based conservation work

Delegate

- **Model United Nations (MUN) | United Nations Foundation | 2019**
- Represented Thailand at the LAU MUN conference after training sessions
- Researched global environmental and humanitarian issues for policy debate
- Developed public speaking, diplomacy, and analytical thinking skills

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- **Microbial Genomics training** | Khoury Lab, LAU | 2025
 - **Critical Thinking Retreat** | MEPI LAU | 2024
 - **Art Therapy and Academic–Life Balance** | MEPI LAU | 2024
 - **Dealing with Crisis and Navigating Uncertainty** | MEPI LAU | 2024
 - **Culture Shock and Transition from High School to University** | MEPI LAU | 2024
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- TOEFL iBT: 111/120 | 2024
 - SAT: 1430/1600 (EBRW: 710, Math: 720) | 2023
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- Introduction to Bioinformatics
- Biostatistics
- Genetics & Genetics Laboratory
- Biochemistry
- Organic Chemistry I & II
- Algorithms & Data Structures
- Object–Oriented Programming
- Calculus III
- Discrete Structures

WORKSHOPS
AND TRAINING

TEST SCORES &
CERTIFICATIONS

RELATIVE
COURSEWORK