

Tala Mezher

tala.mezher15@gmail.com ❖ [linkedin.com/in/talamezher](https://www.linkedin.com/in/talamezher) ❖ [+961 70 380221](tel:+96170380221) ❖ Beirut, Lebanon

EDUCATION

Lebanese American University (LAU)
Bachelor of Science in Computer Science

Expected Graduation date: May 2025
Beirut, Lebanon

WORK EXPERIENCE

Lebanese American University (LAU)
Research Assistant

November 2023 - Present

- Collected and analyzed data from 100+ sources, including academic journals and case studies, contributing to high-quality insights, enhancing the depth and accuracy of research outcomes.
- Conducted over 20 interviews and supported research on AI and language models for 5+ active projects.

ISS (ICC Software Hive)

June 2024 – October 2024

Nintex Automation Cloud Intern

- Improved task execution speed across departments by 30% by utilizing Nintex workflows and forms to integrate 4+ systems, facilitating seamless data flow, reducing manual processing time, and minimizing errors.
- Developed a comprehensive understanding of process automation principles, focusing on how to streamline business workflows using the Nintex Automation Cloud.
- Reduced approval turnaround time from five days to 24 hours by implementing a Request for Approval automation system using Nintex Automation Cloud, SharePoint integration, JavaScript, APIs, JSON, and CSS, achieving 45% improvement in workflow accuracy.

Integrated Digital Systems (IDS)

July 2024 – September 2024

Full Stack Developer Intern

- Built an Activity Club Portal with user management, event scheduling, and content management features using ASP.NET Core MVC and RESTful APIs, implementing secure authentication methods that improved user data security by 40% and achieving seamless data flow across dual admin and public interfaces.
- Developed proficiency in .NET, C#, SQL Server, and ASP.NET Web API for secure back-end functionality, while advancing front-end skills with HTML5, CSS3, JavaScript, Bootstrap, and jQuery.

PROJECTS & WORKSHOPS

- **Petopia Management System:** developed a comprehensive pet shop management website, integrating XAMPP and PHP with secure user authentication features; streamlined the shopping experience for over 500 users.
- **Hand Recognition Parallelization:** implemented parallel processing techniques (MPI, OpenMP, CUDA C) to optimize Lapacke hand recognition network, enhancing computational efficiency by 70%.
- **Red Cross Database System:** created a Database Management System using SQL Server and Oracle, enabling efficient tracking of donations, inventory, and medical records.
- Cybersecurity workshop with Semicolon Academy
- Git/Ci workshop

EXTRACURRICULAR & VOLUNTEER ACTIVITIES

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| ▪ Women's Basketball Scholar-Athlete | 2022 - Present |
| ▪ Computer Science Club member | 2022 - Present |
| ▪ Lebanese Collegiate Programming Contest (LCPC) volunteer as a Computer Lab Assistant | 2023 |
| ▪ Lab assistant volunteer in Python/Java labs | 2022 - 2023 |

SKILLS & LANGUAGES

Languages: HTML, CSS, JavaScript, C, C++, PHP, SQL, Python, Java, Verilog, C#, and JSON

Frameworks: SharePoint, jQuery, and .NET