

Roni Daou

Undergraduate Computer Engineering

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Summary

A third year Computer Engineering student eager to expand my knowledge and skills in emerging technology. Dedicated to delivering innovative technological solutions with a strong foundation in management, software development, and advanced problem-solving techniques. Equipped with excellent analytical and programming skills to confidently complete software projects. Consistently demonstrated proficiency in implementing new ideas, testing programs, and developing projects.

Software Projects

"Dar al Handasa" Civil 3D Tool – Jan 2024 – Present

- Designing a user-friendly tool by using C# .NET programming language for construction projects, capable of analyzing 3D topographic survey and earthworks data to generate precise excavation and shoring plans.
- Gathering user input and generating precise 2D and 3D drawings accordingly.

VR Application "PhysiX: Visualizing 2D Physics in 3D" – Jan 2024 – Present

- Developing VR user interface and events using HTML and JavaScript programming languages.
- Transforming 2D physics into dynamic 3D visualizations to facilitate user experimentation with object projectile, vectors, friction, and Newton's laws in immersive VR environments.

Website "Graduation and Career Guidance" – Sept 2023 – Dec 2023

- Developed the Backend of the website using Java, Spring Boot, and MySQL Database.
- Implemented essential features to enhance the student experience, including efficient search tools, mentorship, and networking functionalities.

Mobile Application "Time Management System" – June 2023 – July 2023

- Created a productivity app using Flutter Framework, Dart Programming Language, and SQLite database.
- Facilitated task and project management, while also offering reminder feature to boost user productivity and organization.

Desktop Application "Hospital Management System" – Sept 2022 – Dec 2022

- Developed an appointment system using Java and MySQL for backend, and JavaFX for frontend.
- Allowed patients to book appointments online and easily communicate with their doctors using their own profiles.

The Young Makers Club/ U.S Embassy, Lebanon – Feb 2021 – May 2021

- Earned a Certificate of Completion from The Young Makers in Electronics and Coding Microcontrollers program.
- Gained proficiency in Arduino coding, fundamental electronic connections, and designed a smartphone-controlled remote-operated vehicle.

Experience

Team Leader – June 2019 – Aug 2019

Shouf National College, Summer Camp

- Enhanced leadership, communication, and management skills.
- Supervised and engaged in kids' activities.
- Created games to entertain kids in their free time and showed awareness of safeguarding children.

Education

Bachelor of Engineering in Computer Engineering – 2021 – Present

Lebanese American University, Byblos, Lebanon

- Awarded the Lebanese International Finance Executives (LIFE) Scholarship in 2021.
- Joined both Software Engineering and Google Developer University Clubs in 2023.

Lebanese Baccalaureate in General Sciences – 2018 – 2021

Shouf National College, Chouf, Lebanon

Graduated with Distinction

Achievements

Red Cross Volunteer, Youth Department – 2021 – 2022

- Completed a 2-month Red Cross First Aid course, an Emergency Medical Technician course, and maintained consistent training and assistance.
- Earned a Certificate of Completion in Psychological First Aid and Self-care in Red Cross- Serial No. cert_1s6ym81z.

GC, LAU Model United Nations Program – 2019

Participated as a delegate in the GC LAU Model United Nations Program.

Skills & Expertise

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|----------------------------------|------------------------------------|
| • Leadership | • Microsoft Office |
| • Problem Solving | • Java Swing and JavaFx Frameworks |
| • Java Programming Language | • Time Management |
| • C# Programming | • Communication |
| • Civil 3D Automation | • Computer Logic Design |
| • Data Structures and Algorithms | • Computer Architecture |
| • Database Systems | • Microprocessors |
| • HTML, XML and CSS | |

Languages

Arabic: Native | **English:** Fluent | **French:** Basic