

ROBIN YAGHI

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Lebanon - Keserwan - Adma

EXPERIENCE

LBCI Lebanon

IT & Development Intern

Jul 2024-Sept 2024

- Applied technical knowledge to real-world network configuration, troubleshooting, and maintenance tasks to improve operational reliability.
- Contributed to the development of interactive and user-friendly web interfaces, strengthening skills in HTML and CSS.
- Participated in network upgrades and expansions, improving system performance and infrastructure design.
- Collaborated effectively with multidisciplinary teams to support successful project outcomes.
- Developed strong interpersonal and communication skills, enabling clear delivery of technical information to both technical and non-technical stakeholders.
- Gained hands-on exposure to professional IT workflows and customer-oriented problem solving.

LBCI Lebanon

IT & Development Intern

Aug 2025 - Sept 2025

Unity Live Focus Project

- Developed Unity Live Focus, an interactive system allowing operators to select and zoom specific newspaper regions for live broadcasting.
 - Built the application using Unity (C#) with real-time rendering using RenderTextures and multiple virtual cameras.
 - Integrated NDI/Spout streaming protocols to deliver real-time output into professional broadcast software such as vMix.
 - Gained hands-on experience in real-time graphics, streaming technologies, and live broadcast workflows.
 - Strengthened teamwork, communication, and technical problem-solving skills within a professional IT environment.
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PROJECTS

Parallel 2D Heat Transfer Simulation

- Implemented a parallel simulation of the 2D heat equation using MPI and C/C++.
- Used domain decomposition, ghost/halo exchange, and non-blocking communication for performance scalability.
- Visualized results using Python/Matplotlib.

Unity Live Focus (Unity, C#, NDI/Spout, vMix)

- Created an interactive real-time broadcasting tool using Unity (C#).
- Integrated NDI/Spout for seamless streaming into vMix, enabling live zooming and region selection.

FuelX – Website

- Developed a full-stack web platform using MongoDB, Express, React, Node.js.
- Implemented user interface components, API routes, and database interactions for a smooth end-to-end experience.

Multimeter (Arduino)

- Built a fully functional digital multimeter using Arduino, including all wiring, sensor integration, and firmware coding.
 - Implemented voltage and resistance measurement with real-time serial display.
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SKILLS

Kubernetes, AWS (CLF-C02), Containers , C++, JavaScript, Python, REST APIs, GraphQL, Git & GitHub, SDA, OOP, Networking Cisco (CCNA) , DP ,Linux , Database (SQL/NoSQL)

Education

Saint Joseph University of Beirut (USJ) – ESIB

5th-year Computer & Communications Engineering

Expected Graduation: September 2026