

Rayan Baderdine

Computer & Communication Engineer

SUMMARY

Accomplished professional with expertise in software development and embedded systems engineering. Proficient in Java, C++, Python, and Azure to design robust applications and optimize system performance. Committed to leveraging technical skills and engineering knowledge to drive innovation and deliver impactful technology solutions.

WORK EXPERIENCE

TUTOR Oct 2024 — Jul 2025

self-employed

- Clarified complex concepts during sessions to improve student comprehension and increase overall academic performance.
- Designed customized lesson plans that addressed individual learning styles and promoted sustained engagement throughout the course.
- Monitored student progress regularly to identify knowledge gaps and adapt teaching methods accordingly for consistent improvement.

MEMBER IN TUTORING ACADEMY (SUMMERS) Jun 2018 — Present

Summer Academy

- Contributed curriculum adaptation to diverse learning styles, increasing student confidence and fostering a more inclusive educational environment.
- Monitored student progress during sessions to identify learning gaps, enabling timely support that enhanced overall academic performance.
- Engaged students in interactive problem-solving activities that strengthened critical thinking skills and increased enthusiasm for challenging subject matter.

EDUCATION

MASTER IN COMPUTER & COMMUNICATION ENGINEERING Oct 2025 - Jun 2027

Lebanese International University

- Developed a Driver Fatigue Detection System (RISC-V, freeRTOS)
- Developed a noise deletion audio filter using MATLAB

BACHELOR OF SCIENCE IN COMMUNICATION ENGINEERING Oct 2021 - Jun 2024

Lebanese International University

- Developed a website for mayors in Lebanon as a senior project
- Spectrum Analyzer
- Library Management System (SQL)
- BJT differential amplifier
- Guess the magical number (microcontroller)
- 4-bit binary adder
- Smart blind stick (arduino)

SKILLS

java, c, C++, C#, python, octave, HTML, CSS, JavaScript, PHP, SQL, ASSEMBLY, .net, Azure, Android Studio, Arduino, AVR microcontroller, Proteus, Tinker Cad, Atmel Studio, LTSpice, NetBeans, Visual Studio, packet tracer, MySQL, MATLAB, RISC-V.

COURSES

HTML, CSS, AND JAVASCRIPT FOR WEB DEVELOPERS — Jun 2025

John Hopkins University

BUILD A FREE WEBSITE WITH WORDPRESS — Jun 2025

Coursera

FUNDAMENTALS OF MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE — May 2025

Amazon Web Services

FOUNDATIONAL C# WITH MICROSOFT

Microsoft

— Aug 2025

AZURE DATA SCIENTIST TRAINING

Microsoft

— Mar 2026

LANGUAGES

Arabic(Native), English(C2 - Proficiency).

REFERENCES

Available upon request.

LINKS

Tinker Cad: <https://www.tinkercad.com/users/3g2vVRJzZDn?type=circuits>

LinkedIn: <https://www.linkedin.com/in/ryan-baderdine-5b32992a2>