Rayan Emad

Beirut, Lebanon
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I blend technical prowess with effective communication and relentless work ethics. My positive attitude fuels creative solutions in every project and I am here to turn your tech dreams into 0's and 1's.

Skills

- **Programming (and Scripting) Languages //** Python, JavaScript, PHP, SQL, C++, C#, and MATLAB

- **Database Management Systems //** MySQL, and MongoDB

- **Frameworks and Libraries //** Laravel v9.x, React, React Native, Expo, Node.js, Express, Bootstrap 5, and Tailwind CSS

- **Tools and Cloud Services //** GitHub, Postman, Figma, Arduino, and AWS (EC2 and S3)

- **Theory //** Complexity Analysis, Data Structures and Algorithms, Design Patterns, and SOLID Principles

Professional Experience

iOS Intern - Band Industries, Lebanon

June 2024 – Augest 2024

Contributed to iOS app development for Bands Industry, integrating coach hardware for musical instrument learning. Collaborated on UI enhancements, attended team meetings for project updates and issue resolution, gaining hands-on Swift and Xcode experience. Played a pivotal role in testing, debugging, and adopting agile practices, refining software design and coding proficiency.

Projects

EcoTech [GitHub Link]

An innovative app harnessing Arduino and AI to safeguard forests, predict fires, and swiftly alert users when nature calls for help.
- Front-end // React Native
- Back-end // Node.js, Express, MongoDB
- Other // Arduino, OpenAI, and Firebase

Signal Processing using FFT [PDF Link]

Analysis of Fourier Transform applications in audio and image manipulation using filtering, spatial audio, and 3D image using MATLAB.

Training and Certifications

NYUAD International Hackathon for Social Good in Quantum Computing - NYU Abu Dhabi

February 2024 – April 2024

Participated in the 11th annual NYUAD hackathon focused on Quantum Computing. Collaborated in a global team to develop solutions for social challenges using advanced quantum technologies. Gained practical skills and engaged in potential future QC and QML.

NDG Linux Essentials – CISCO Networking Academy

December 2023 – January 2024

Completed a comprehensive Linux certification program, gaining proficiency in fundamental commands, directory, and file management, permissions, regular expressions, and network configurations.

Full-Stack Web Development Bootcamp - SE Factory, Lebanon

July 2023 – October 2023

Completed an intensive full-stack web development program covering front- and back-end development, version control, and web application security over 13 weeks of lectures, workshops, and projects.

Youth Leadership Program 8th - United Nations Development Program, Lebanon

February 2022 – May 2022

Engaged in leadership workshops and collaborative projects focusing on sustainability and innovation. Developed skills in social entrepreneurship, campaign strategy, and community empowerment, in alignment with UNDP's global mission for positive impact.

Education

Bachelor of Engineering (B.E.) in Computer and Communications Engineering

Notre Dame University - Louaize, Zouk Mosbeh, Lebanon 2020 – Present
- An active member in the Engineering Club and Institute of Electrical and Electronics Engineers. GPA: 3.68

Languages

Arabic (Native); English (Fluent)