

Edy Bou Moussa

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📍 Tabarja, Lebanon

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Education

B.E. – Computer Engineering, *Lebanese American University*

Sep 2022 – Present

Dean's Distinguished list

CGPA: 3.74/4.00

Skills

Technical Skills:

- **Front-end:** HTML, CSS, React
- **Back-end:** Python
- **Hardware:** Arduino programming, logic design, understanding and creating schematics
- **Other:** Java programming

Soft Skills: Communication, Teaching, Problem solving, Teamwork

Languages: English C1, French C1, Arabic C1 (native)

Extracurricular and Volunteering Activities

MMKN Academic Support Program:

Summer 2023

Managed and taught multiple classes, preparing students to the official brevet exam

Youth community guide:

Feb 2023 – Feb 2024

Prepared meetings, activities, and trips for the youth alongside other guides.

Clubs: Member of the IEEE organization; IEEE robotics and IEEE artificial intelligence club

Hobbies: Music, Piano, Hiking, Math, Chess

Projects

Beatopia, productivity app with audio mixing and playback:

Built and operated a productivity app with audio mixing, playback, and task management features. Built with React and Python Flask, enabling user authentication, audio playing and mixing, and task organizing using a Kanban board.

SAP 8-bit computer from scratch:

Built and debugged an 8-bit computer from scratch, with each CPU component designed from the logic gate level. Created schematics in KiCad and tested each block through simulation.

Python audio player and playback:

Python audio player built with simpleaudio and pydub. Features include classes for audio, sounds, beats, and mixes, along with a player class for queue management, playback control, and time-tracking. Implemented threading to handle simultaneous operations like play, pause, skip, and rewind.