Emanuel Melloul

Software Engineering Student

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GitHub

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SUMMARY

A third-year Software Engineering student, with a Grade Average of 95 and recognized for excellence two times on the Dean's List. I am an independent and a fast learner who enjoys challenging problems and solutions, and I am looking for my first software development job.

EDUCATION

BSC Software Engineering 10/2021 – Present

Azrieli College of Engineering, Jerusalem

Grade Average: 95

One year remaining

WORK EXPERIENCE

Zomet Institute | Jerusalem | 02/2024 – 08/2024

- As part of a volunteering experience, developed and designed a React Native mobile application for seamless communication with the ESP32 microcontroller.
- Built using the Expo framework, the application is fully compatible with both Android and iOS platforms, enabling real-time data exchange and control of the ESP32 from mobile devices.

PERSONAL PROJECTS

Multi-threaded HTTP proxy server in C:

- implements a proxy server with socket-based network communication, allowing clients to interact with real servers through the proxy. It features a thread pool for handling concurrent requests, DNS resolution, IP filtering, and comprehensive error management.

Linux File System simulation in C:

- simulates a basic file system on Linux/Unix. The program utilizes custom classes to model file Inodes , file descriptors, and a simulated disk.

    Key features include file creation, opening, closing, reading, and writing operations.

PROGRAMMING LANGUAGES

- C/C++ React
- Java
- Python
- HTML/CSS/JS
- React-Native
- React

LANGUAGES

Hebrew (Native)

French (Native)

English (Full Professional Proficiency)