Hussein Melhem

COMPUTER SCIENCE GRADUATE

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EDUCATION

Lebanese University | 2021-2024

Bachelor Degree: Computer Science

- Programming & Software Development: C/C++, Java, .NET, Data Structures, Algorithms, and Multithreading.
- Database Management: Relational and Non-relational Databases, SQL, Database Design.
- Probability & Statistics: Applied Probability, Statistical Analysis, and Data Modeling.
- Systems & Infrastructure: Operating Systems, Networking Fundamentals, and System Architecture.
- Web Development: Frontend and Backend Development with Laravel, PHP, ASP.NET, and JavaScript Frameworks.
- Mobile Development: Android Application Development using Java and Android Studio.
- Project Development: Comprehensive Projects utilizing Software Engineering Principles and Git Version Control.

PROFESSIONAL EXPERIENCE

Smartec Technologies- Beirut | Sep 2023 - Feb 2024

Embedded systems engineer

- Researched and implemented motor control algorithms such as FOC, SVPWM...
- Controlled a small touch screen handling its communication with a server, memory, and interactions.

Skills: STM32 Microcontrollers- DC to AC motor control algoriths- Delphi desktop applications- SPI- I2C.

Freelance Projects

Full ecommerce project shopping site using laravel

- Dynamic items listing based on admin settings Implemented a full cart
- system with save for later functionality. Allowed 2 types of checkouts
- either credit card or cash upon delivery. Full admin page for
- adding/editing items seeing orders etc...

ORGANIZATIONS

IEEE Student Branch | 2023-2024

Board Member

- Gave a 12 session web development bootcamp which included:html css js react and laravel

ACHIEVEMENTS

- Ranked 6th on Lebanon, 63th regionally, in IEEE extreme global coding competition

skills

- React, React Native, jQuery, PHP, HTML, CSS, MySQL, C++, C, Git, .NET, Laravel, Java, JavaScript

LANGUAGES

English: Advanced

Arabic: Bilingual