

Abdelmotalieb Al-Hajj

Jiyeh, Lebanon

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April 1, 1998

PROFILE

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- **Objective:** Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities in the field of Software Engineering, learning new programming languages, provide efficient solutions for Software Engineering problems, and then use it IOT.
 - **GPA:**
 - Total: 3.53/4
 - Major Courses: 3.82/4
 - **Hobbies:** Surfing, playing piano, and playing saxophone

EDUCATION

American University of Beirut (AUB)

Beirut, Lebanon

Bachelor of Engineering in Computer and Communication Engineering

May 2021

Al-Kawthar Secondary School

Beirut, Lebanon

General Science Lebanese Baccalaureate

June 2016

QUALIFICATION AND SKILLS

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- **Software Programming Skills:** Java - C++ - SQL- PHP - Android app development - Qt framework
 - **Experience in Git/Bit Bucket for version control**
 - **Hardware Programming Skills:** VHDL, Verilog
 - **Languages:** Arabic - English (Fluent)
 - **Ability to work independently or as part of a team**
 - **Highly organized and efficient**
 - **High sense of responsibility**
 - **Ability to learn new topics related to my field**
 - **Ability to spend time on solving problems and finishing tasks respecting deadlines**

COURSES

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- Introduction to Computation and Programming
 - Data Structures and Algorithms
 - Design and Analysis of Algorithms
 - Software Tools Laboratory
 - Computer Networks
 - Mobile Networks and Applications
 - Cryptography and Networks Security
 - Computer Organization / Digital Systems Design I/II
 - **Will be taken in Spring 2019 – 2020 semester:**
 - Software Engineering
 - Database Systems
 - Web Programming & Design

EXPERIENCE

- **Internship at SMARTECH - IT Solutions**

Beirut, Lebanon
Dec. 2019

 - Worked on an ERP System implemented using VB.net and SQL Server 2014 as a database management system.
 - Gained some experience in working with large software by debugging it using visual studio debugging tool, solving some bugs, and modifying the UI to support the Arabic language feature.
 - Learned some basics in web development client side (HTML and CSS) and server side (PHP REST API).

UNDERGRADUATE PROJECTS

- **Aircraft Parking Reservation System:**
 - Built features that allows users to reserve, check availability, and view their profiles and history.
 - Implemented using java socket programming TCP/IP connection and Eclipse GUI with relational database using MySQL.
- **A gaming framework:**
 - Implemented complete software system using Qt widget toolkit written in C++ on VM virtual box Ubuntu Linux.
 - It is a user-friendly interface consists of two games: Snakes and Ladders, CABO where users can sign in/signup/review history and scores. The project is well tested, debugged, documented, and packaged.
- **An Attendance System Android Application:**
 - A user-friendly android application that allows faculty members and students to register their accounts, log in/out, take attendance, and do other related functionalities, using PHP/MySql as database.
- **A Calculator Android Application:**
 - A user-friendly scientific calculator with extra features of plotting various mathematical functions, calculating statistics for a given input data, and drawing three types of charts: Bar Chart, Line Chart, and Pie Chart using graphing libraries in android studio using Java programming language.
- **Vector Norm-2 List Processor:**
 - Implemented an optimized list processor that computes the squared-norm of a complex vector using Verilog HDL.
- **Controller FSM Design of a Vending Machine:**
 - Implemented using VHDL.
 - Vending machine system that controls user functionalities of the customer like defining the type of money entered, choosing a product, handling change cases and returning it to the customer.

