GHASSAN AWWAD

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EDUCATION

Lebanese American University, *Byblos, Lebanon* *Fall 2019 – Spring 2024 (Expected)*

- BE in Computer Engineering with a minor in Data Analytics
- Placed on the Dean's Distinguished List for Spring 2021, Fall 2021, Spring 2022
- CGPA: 3.63

Amjad High School, *Choueifat, Lebanon* *Fall 2004 – Spring 2019*

- Lebanese Baccalaureate in GS Section
- 8th place in the Brevet official exams

WORK EXPERIENCE

Geek Express, *UAE* *June 2022 – Present*

- Conducted tens of trial sessions to several students of different ages, mostly between 10 and 14 years old.
- Taught a group of 3 students from St. Joseph School the Master App Developer course which focuses on creating mobile applications using MIT App Inventor.

EXTRACURRICULAR EXPERIENCE

Pokémon Mini Game

- Used Unity to design a Pokémon-themed mini game with a fully functional database using C# & SQL. The database was designed with a lot of attention and detail to ensure the appropriate definitions and relations among entities.

Data Mining Project

- Used R programming language to perform different types of analysis on a dataset, including supervised learning (linear and logistic regression, linear discriminant analysis), unsupervised learning (k-means clustering, decision trees). The accuracy of the different methods was tested using different resampling techniques (LOOCV, k-fold CV).

LAU Case Competition

- Achieved 3rd place in LAUCC with Leo Burnett's case which tackled the young generation's neglection of elections.

Functional Music Controller

- Programmed the HCS12 board using Assembly language to create a music controller which plays different musical pieces depending on the user's input. All the musical pieces were analyzed note-by-note and the frequency of each note was included in the code to be played by the board's buzzer.

Room Management System

- Programmed the Altera DE2-115 FPGA board using Quartus, Verilog, and ModelSim to devise a system which keeps track of the number of people in a room. The system was designed to function in 2 modes: user and administrator mode, where the user just records their entrance/leaving through their ID, whereas the administrator controls the capacity of the room.

Currency Converter

- Used Quartus to create a tool which converts the input currency from USD to LBP after specifying the desired exchange rate. Truth tables and K-maps were constructed to simulate all the different input combinations and the outputs.

555 Timer

- Designed a clock generating circuit using a soldering iron and a solder breadboard.

University Club Participation

- Member of the AI and IEEE clubs (Fall 2020 – Spring 2022) and the Gaming Development Club (Fall 2022).

SKILLS & PERSONAL

Technical Skills:

- Java
- HTML, CSS, JavaScript (ReactJS)
- R
- SQL
- MATLAB
- Verilog, VHDL
- Assembly Language

Software:

- Unity
- Git, GitHub
- Tableau
- Power BI
- SPSS
- Quartus
- ModelSim

Languages: Arabic (native), English (fluent), French (basic)

Soft Skills: Good communication skills, organizational skills, great attention to detail

REFERENCES AVAILABLE UPON REQUEST