

# GHASSAN AWWAD

**Phone:** +961 81 753 357 | **Email:** [ghassan.awwad@lau.edu](mailto:ghassan.awwad@lau.edu) |

**GitHub:** <https://github.com/GhassanAwwad> |

**LinkedIn:** <https://www.linkedin.com/in/ghassan-awwad-bb96a8210>

## EDUCATION

**Lebanese American University, Byblos, Lebanon**

*Fall 2019 – Spring 2024*

- 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: 3.5

**Amjad High School, Choueifat, Lebanon**

*Fall 2004 – Spring 2019*

- Lebanese Baccalaureate in GS Section
- Achieved an average of 18/20 in the official exams

## WORK EXPERIENCE

**Integrated Digital Systems (IDS), Lebanon**

*June – September 2023*

- Developed a fully functional course registration web application for IDS Academy.
- Used **HTML**, **CSS**, and **JavaScript** for the front-end, **PHP** for the backend, and **MySQL** as a database.

**Geek Express, Lebanon**

*June 2022 – June 2023*

- 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.

## PROJECTS

**Pokémon Mini Game:**

- Used **Unity** to design a Pokémon-themed mini game using **C#**.
- Used **MySQL** to build a database for the game used for storing items and player information.

**Data Mining Project:**

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

**Functional Music Controller:**

- Used **Assembly language** to program the HCS12 board to create a music controller which plays different musical pieces.

**Room Management System:**

- Used **Quartus**, **Verilog**, and **ModelSim** to program the Altera DE2-115 FPGA board to devise a system which keeps track of the number of people in a room, with user and administrator mode.

## EXTRACURRICULAR ACTIVITIES

**University Club Participation:**

- Member in each of the AI Club, IEEE Club, and the Game Development Club (Fall 2020 – Spring 2024)
- Collaborated with the Game Development Club president to plan and execute an educational event on integrating gaming in education, attracting over 20 faculty members.

**LAU Case Competition 2022:**

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

## TECHNICAL & PERSONAL SKILLS

**Programming Languages:** Java, Python, MATLAB

**Front-end:** HTML, CSS, JavaScript (React), XML

**Back-end:** PHP, SQL, NoSQL (MongoDB)

**Data Analysis:** R Programming, Python (Pandas, Matplotlib, NumPy), Tableau, Power BI, SPSS

**Other Skills:** Linux (Ubuntu), Unity, Trello, Git, GitHub, Quartus, ModelSim, Verilog, VHDL

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

**Soft Skills:** Good communication skills, great attention to detail, fast learner