

# LEA HAIDAMOUS

## Lebanese American University

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📍 Lebanon

in [linkedin](#)

## EXPERIENCE

### Robotics Instructor - Part Time

#### J-Tech Academy

📅 September 2023 - Active

📍 Collège Notre-Dame de Jamhour

- Teaching young students basics of programming through interactive learning sessions by learning robots' behavior.
- Teaching students how to write algorithms, convert it into programs, and to debug these programs to perform specific tasks on the robot.

## PROJECTS

### Touristic Website for Lebanon

#### Course Project

📅 November 2023 - December 2023

- Developed a touristic website with two classmates using PHP, JavaScript and MySQL.
- Implemented a registration system where users can register for trips, search for places to visit and add them to their favorites.

### Logic Design Breadboard in Virtual Reality

#### Course Project

📅 January 2023 - May 2023

- Implemented with two classmates a Logic Design Breadboard using GoogleVR, Unity and C#.
- Created realistic breadboard components and circuit simulations for an interactive virtual environment for learning logic design concepts.

## AWARDS

### Sign language translator Application

#### Engineering Student Design Competition (ESDC)

📅 January 2023 - March 2023

📍 LAU Byblos

- Developed an Android app using Java, Android Studio, Firebase and TensorFlow to detect real-time gestures and translate it to English.
- Took pictures of signs using openCV and Python for data collection.
- Used Firebase to store sign images to help users learn those signs.
- Won a 1 year membership with Beirut AI.

## ORGANIZATIONS

### Beirut AI

📅 March 2023 - March 2024

### Google Developers Student's Club

📅 September 2022 - Active

📍 LAU Byblos

### Honors Program

📅 July 2022 - May 2025

📍 LAU Byblos

### Scouts of Independence

📅 September 2014 - July 2023

📍 Collège des Pères Antonins Baabda

## EDUCATION

### B.E. in Computer Engineering

#### Lebanese American University

📅 September 2021 - May 2025

### High School, French Baccalaureate

#### Collège des Pères Antonins Baabda

📅 October 2006 - May 2021

## SKILLS



## COURSEWORK

- Object-Oriented Programming
- Data structures & algorithms
- Database Systems
- Operating Systems
- Software Engineering
- Machine Learning
- Probability & Statistics
- Calculus III & IV
- Logic Design
- Microprocessors
- Digital Systems
- Computer Architecture
- High performance Computer Architecture
- Signals & Systems
- Control Systems
- Electronics
- Digital Image Processing & Video Compression

## LANGUAGES

- English : C2
- French : C2
- Arabic : C2