

Toufic Kashmar

Phone: + 96171907647, Email: toufic.kashmar@lau.edu

Address: Saint Therez, Hadat, Beirut, Lebanon

Education

Lebanese American University (LAU), Byblos, Lebanon

BE in Engineering – *Mechatronics*

Sept. 2017-Expected May 2022

CGPA 3.33/4.0

Lycée Des Arts

Sep 2016- June 2017

Lebanese Baccalaureate, *General sciences with High Distinction*

Work Experience & Internships

Research and Development Engineer - Multilane SAL, Houmal, Lebanon

May – June 2020

- Researching on Periodic and Random Jitter (PJ & RJ) decomposition using TIE (Time Interval Error) spectrum and distribution.

LAU Global Classrooms Model United Nations, Beirut, Lebanon

Sept. 2019 – Present

Coordinator - Logistics and Strategic Operations

- Created extensive and detailed logistics plans for all staff before, during, and after conferences and training sessions.
- Monitoring committees' rooms, delegates, and trainers during sessions and conferences.

Content Developer and Instructor - The Makers Hub, Beirut Digital District

June – Sep 2019

- Assisting and guiding students in building and developing specific projects in fields of manual and digital fabrication, electronics, and coding microcontrollers.

Private Math and Physics Tutor for High school and University students

June 2018 – Jan 2019

- Facilitating students to comprehend and apply the newly learned content intelligently.
- Assisting students to become independent and collaborative learners.

Data Entry Clerk - SABA IP, Hazmieh, Lebanon

July – Sep 2015 – 2016

- Entering data from source documents into a prescribed computer database, files, and forms.
 - Combining and rearrange data from source documents where required.
 - Storing completed documents in designated locations after verifying and checking their accuracy.
-

Skills

- Programming Languages: **Python, Java, and Assembly.**
 - Intermediate experience in **Machine Learning** and **OpenCV.**
 - Talented in using **MyRio, Arduino, Raspberry Pi, and Blynk** for IoT applications.
 - Skilled in using Microsoft Office Tools (**PowerPoint, Excel, Word, and Visio**).
 - Proficient in implementing electrical and logical circuits.
 - Very expertized in using multiple CAD tools and simulators including:
 - **Solidworks** (Design and Simulation), **AutoCAD, Autodesk Fusion 360.**
 - Electronics and Digital circuits: **PSPICE, Altera Quartus, NI LabVIEW, Proteus 8.**
 - Motivative, hard worker, fast learner, adaptive, professional, energetic, responsible, team worker, ambitious, and quite passionate toward educational achievements.
-

Activities and Certificates

- Solidworks certified upon completion of Associate level in Mechanical design.
 - Junior judge in the NERD National Robotics Competition 2019.
 - Student Member in the American Society of Mechanical Engineers (ASME).
 - Certificate of participation in the 3rd Annual Automotive Engineering Day X FEV Tech day.
 - Certificate of participation in LAU Coding workshop on programming Mobile Applications.
 - Certificate of participation in the 5th LAU Model Arab League High School Conference 2016.
-

Completed Projects

- Dynamic and Positional Analysis and Simulation of a Reciprocating ICE from a Kinematic frame using MATLAB and Solidworks.
- Area Awareness Headgear that acts as an essential extension to a blind person's compensating senses using MyRIO and LabView.
- Microprocessor-Based Video Game project using Assembly language.
- Solidworks project: A representation of the Apollo 11 mission. A launching site, space shuttle, satellite, lunar module, and a moon rover were fully designed, assembled, and simulated.
- Analog vertical and horizontal solar tracker.
- Music board that allows us to play piano and guitar sounds using Raspberry Pi's GPIO pins.
- Smart Home Automation System using ESP32, and Blynk IoT Platform.
- Sphero Robot, and Smart Trash bin using Arduino microcontroller.
- Maze Generator and Solver program using Java language.