

# Houssein Kanso

Beirut, Lebanon 🏠

+961 70 985 806 📞

[houssein\\_kanso@live.com](mailto:houssein_kanso@live.com) ✉️

[linkedin.com/in/housseinkanso](https://www.linkedin.com/in/housseinkanso) in

## OBJECTIVE

Passionate and self-motivated learning seeker, constantly looking for opportunities to widen my knowledge and sharpen my skills. I am a senior engineering student with a strong background in applied Mathematics and Physics, and an experience in private and group tutoring. I have been interested in robotics, automation and programming since I was 15.

## EDUCATION

### **BE in Mechatronics Engineering | Lebanese American University, Byblos**

September 2018 – (Expected graduation may 2023)

CGPA: 3.9

Awards&Honors:

- Placed on Dean's High Distinction List
- Placed on Dean's Honor List
- Baccalaureate Scholarship

Teaching Experience:

I have given tutoring for several courses at the university level, which are offered by the student services office.

### **Lebanese Baccalaureate in General Sciences | Lycee Des Arts, Beirut**

September 2017 – June 2018

- 1st in promotion
- Average: 17.97

## TECHNICAL PROJECTS

### **Hand Gesture Controlled Car**

September 2021-December 2021

- Building the chassis of an RC car
- Design of the gesture detection circuit placed on the top of the hand
- Design and displacement of the controller circuit placed inside the car

### **Face Masks for Athletes**

June 2020 – August 2020

- Leader of the Instrumentation team
- Worked in collaboration with Design and Ergonomics teams

### **Ventilator Design and Simulation**

January 2020 – May 2020

- Extensive research on various types of ventilators and their modes of operation
- Designing the ventilator using Solidworks
- Required components (electric components, valves, and sensors)

- Diagrams and Schematics
- Simulation using LabVIEW

## **M4 3D Model**

August 2019 – December 2019

- 3D CAD Model using SolidWorks
- Motion Analysis: Firing a bullet on a target
- Flow Simulation on the fired bullet
- Stress Analysis on the body

## **SKILLS**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Java</li> <li>• Python</li> <li>• C++</li> <li>• Html</li> <li>• Matlab and Simulink</li> <li>• LabVIEW</li> <li>• Solidworks (CSWA)</li> <li>• AutoCad</li> </ul> | <ul style="list-style-type: none"> <li>• MySQL</li> <li>• Microsoft Office</li> <li>• Programming Arduino (C++)</li> <li>• Programming Raspberry PI (Python)</li> </ul> |
|---|---|

## **SOFT SKILLS**

- Adept at innovatively solving problems
- Thrive in high pressure situations
- Excellent critical thinking skills
- Superior written and spoken communication skills.
- Ability to work individually or in a group.

## **EXTRA-CURRICULAR ACTIVITIES**

- Member of IEEE club
- Member of Robotics club
- Member of AI club
- Member of International Affairs club
- Member of Debate Club

## **LANGUAGES**

- English - Full Professional Proficiency
- French - Full Professional Proficiency
- Arabic - Native or Bilingual Proficiency

## **INTERESTS & HOBBIES**

I enjoy applying my mechanical and electrical engineering skills in projects outside university. This manifests in several hobbies, including amateur robotics building. In addition, I like to read about physics, nuclear physics, and nuclear energy. Finally, I spend a part of my free time learning new things in economics, or playing chess.