

Ahmad Serhal

Mechatronics Engineering Student

I am a senior Mechatronics Engineering student at Lebanese American University. I have a passion for everything related to technology, especially in robotics and programming fields. I like to delve into new challenges and learn from them.

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EDUCATION

BE in Mechatronics Engineering Lebanese American University

09/2018 - Present

CGPA of 3.57

Lebanese Baccalaureate, GS Section Grand Lycee, Chhim, Lebanon

09/2014 - 06/2018

WORK EXPERIENCE

Undergraduate Research Assistant LAU MEPI TLP Program

09/2021 - Present

Tasks

- Design and develop a haptic feedback glove to be used in Virtual Reality

Certified Trainer Geek Express

02/2021 - Present

Tasks:

- Teaching students (mainly children aged 5-17 years old) STEM skills

Ericsson Educate Program 2021 Ericsson

02/2021 - 06/2021

Topics Covered in the Program:

- 5G, Internet of Things, Telecommunications
- AI, Machine Learning, Automation

Electronics Training

جمعية المواطنة والخدمات الاجتماعية في صيدا

01/2018 - 06/2018

Tasks:

- Repairing cell phones
- Testing different chips in cell phones
- Download software specific for each phone

Robotics Competition Rafik Hariri University

11/2016 - 12/2016

Tasks:

- Design and build a small car robot using Arduino Uno
- Carry as much cubes as possible within specific criteria
- Finishing the track as fast as possible

SKILLS

MATLAB

Python

SOLIDWORKS

Java

LabVIEW

Excel

PowerPoint

Word

AutoCAD

Time Management

Public Speaking

PROJECTS

Touch and Feel in Virtual and Augmented Reality (09/2021 - Present)

- Developing a haptic feedback glove that provides the user with real-time force feedback upon interaction with virtual objects

Card Sorting Rover (10/2021 - 12/2021)

- Design and build a card detecting machine that sorts the cards according to their suits.

Patrol Vessel (09/2020 - 12/2020)

- Design a patrol vessel with an engine using SOLIDWORKS
- Turning the propeller of the ship by applying motion analysis on the engine pistons
- Applying stress analysis on the propeller using Simulation tools

HONORS AND CERTIFICATES

Dean's Distinction List of the School of Engineering (07/2021 - Present)

Issued by Lebanese American University

Programming for Everybody Specialization (06/2021 - Present)

Issued by Coursera

Tomorrow's Leaders Gender Scholars Program (TLS) (06/2021 - Present)

Issued by US-Middle East Partnership Initiative (MEPI)

Associate - Mechanical Design (10/2020 - Present)

Issued by Dassault Systems Company

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

French

Limited Working Proficiency

Turkish

Limited Working Proficiency

INTERESTS & HOBBIES

Technology

Football

Swimming

Hiking

Reading

Chess