

EDUCATION

American University of Beirut

BE in Electrical and Computer Engineering

GPA = 3.1, 2019 - 2023

- Pursuing a track in Control Engineering and Robotics

L'art de la musique

degree in piano performance

2006 - 2022

- 16 years of Classical performance training for piano
- Followed the professional program from Trinity college in London
- Took courses in Music theory, Analysis, Aural skills, Music history and Literature

Athenee De Beirut

Lebanese Baccalaureate in General Sciences

Average = 15.5 / 20, 2004-2019

Relevant course work

- *Bio-Engineering Design*
- *Bio-Electromagnetics*
- *Control Systems*
- *Digital Integrated Circuits*
- *Signals and Systems*
- *Instrumentation*
- *Computer Architecture*

EXPERIENCE

Bio-Electromagnetics project

Project related to stimulating electrodes in biological tissues

March 2022-May 2022

- Worked on a report and a presentation
- Researched and wrote literature reviews for different papers around similar topics
- Analyzed and simulated results of research using Ansys HFSS and MATLAB

Control systems project

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Project related to designing a controller for a glass handling robot with client specifications

Oct 2021- Dec 2021

- Implemented codes on MATLAB in order to:
- Simulate the model of the plant and get its characteristic parameters according to client specifications
- Design lead-lag compensators in both time and frequency domains
- Design a PID controller

Instrumentation project

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Project related to designing an instrument containing a group of different sensors

March 2022-May 2022

- Looked into papers related to different sensors
- Composed a data-sheet for our newly produced instrument
- Used LABVIEW to simulate the results and implement the instrument desired into hardware

WORK EXPERIENCE

Tutoring

Piano and Tennis teaching

Sept 2020 - present

- Taught piano to beginners and experienced people
- Coached tennis to children and adults

EXTRACURRICULAR

- Tennis varsity team member at AUB
- Robotics club member at AUB
- Music club member at AUB

2011-present

Sept 2021 - Present

Sept 2019-present

SKILLS

- **Languages:** proficient in English, French, Arabic
- **Programming Languages:** Python, C++, VHDL
- **Software:** MATLAB, LABVIEW, VISUAL STUDIO CODE
- **Microsoft office**
- **General:** Academic Writing, Research, Leadership and teamwork skills, problem-solving skills.