

## Education

American University of Beirut

Beirut, Lebanon

*Double major: BEN in Computer and Communication Engineering, BS in Mathematics*

*Sep 2015-May 2020*

G.P.A.: 3.72/4.00, 86.2/100

Awarded Dean's Honor List for 6 semesters

*Graduate Courses taken:* Data Processing Framework, System Identification, and Information Theory

*Selected University Projects:*

- Human Activity Recognition: this was part of the System Identification course; we picked our project to be predicting human activity using 2 sensors one on the wrist and one on the ankle. Our model was based on Kalman Filters using MATLAB which gave 93% accuracy.
- Designed a game room where players are connected to a multi-threaded server. The server used MySQL to store accounts info and leaderboard using JAVA.

## Experience

Synkers

Beirut, Lebanon

*Tutor*

*Nov 2016 – Sep 2018*

- Tutored university courses including introduction to programming, Signals and Systems, Calculus III-IV, Introduction to Real Analysis, Introduction to Number Theory, and Differential Equations.
- Hours taught: 200+, Rating: 4.83/5.0

LigaDATA

Johannesburg, South Africa

*Data Analyst Intern*

*Jun 2019 - Aug 2019*

LigaDATA is a Big Data company based in the Silicon Valley. I went to South Africa to provide some support for one of their clients, MTN which is a leading carrier provider in Africa and the Middle East.

Tasks that I worked on:

- Helped the project manager in South Africa by perfecting a plan for a new project that uses real time data triggers. The main goal of the project is to help the marketing team. For example, offering bundles renewal offers just before the bundle gets consumed, so that the user activity won't be interrupted for the lack of data and will enhance user satisfaction.
- Worked on the development of an NLP engine that helped the company in building their chatbot that would help clients in retrieving their data, set up notifications, and others. I increased the efficiency of the model from 20% up to 96% measured by Q-Box. Also, I created 8 new intents.
- Built and deployed a website from scratch that would help me gather data to train my NLP engine
- Helped in capacity planning by developing 3 predicative model for RAM, CPU, and I/O transactions of the cluster of nodes dedicated to MTN. The goal was to predict when would the system require capacity upgrade. The data needed a lot of cleaning.

## Activities

*SuperNacci, 2016-2017*

SuperNacci is a Math-programming competition made by AUB tech plus club. I participated twice and ranked 3<sup>rd</sup> out of 12 teams in the second time.

*MMKN(NGO), February 2017 – May 2017*

Tutored Mathematics voluntarily to 9th grader students in the Lebanese governmental schools. Sessions were 2 hours long and held biweekly over the 4 months period

*Member, IEEE AUB SB, 2016-2019*

This club is the student branch of IEEE. Between September 2018 and January 2019, I was selected as a Member at Large: which is a position where you get to help the committee in execution and planning of events.

*Football Championships, 2012-2019*

I participated in many football championships, won 3 golden medals and 2 silver medals.

*Oliver Wymen Doha Case Competition, 2020*

I was selected by Oliver Wymen to participate in the Doha case competition 2020. We won the underdogs award.

## Skills

*Computer:* Python, MS Word, Excel, PowerPoint, Java, C++, MATLAB, VHDL, PSpice, SQL, Spark.

*Languages:* Fluent in English and Arabic (Native). Basic Persian.

*Interests:* Football, Gym, and Sudoku