

Mohamad Hussein

2nd Year Engineering Student

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Portfolio Projects

Machine Learning Algorithm:

- Developed a dataset predictive model using KNN algorithm by training the model as well finding the optimal value of k.

World Statistics Search:

- A terminal application that allows users to search any country/region/subregion for information.
- Uses popular libraries such as Matplotlib and NumPy to show graphic of population over time, threatened species and generate data from files.

Formula Calculator:

- Developed a python program that allows users to store large physics and chemistry formulas.
- Allows users to calculate results from formulas by only inputting variable values.

ChatGPT-3 Mobile Access:

- Developed a Samsung mobile app that connects to OpenAI's chatgpt language library through Android Studio.

Circuit for 16x2 LCD Display:

- Created a circuit by soldering connections and pin headers to a PCB board to place it directly on top of an Arduino, then placing a 16x2 LCD display on top of the two parts. Used Solidworks a little bit to model the circuit pre-hand.

Education

Bachelor of Science:

Major: Software Engineering,

Minor: Mechatronics



09-2021 - Current

- Studying in *University of Calgary – Calgary, Alberta, Canada*.
- Programming Coursework:** Learning C/C++, machine learning in *Python*, collaboration programming using *Github*.
- I'm fortunate enough to be on the Dean's List for 2021/2022.

Skills

Python	Git	C	C++	SQL	Data Structures
Arduino	Problem Solving	Soldering	Solidworks		

Strengths



Hard working



Team oriented



Reliable and consistent



Willing to learn

Languages

French



Very Good

Arabic



Very Good

Certifications

09-2022	Engineering Leadership Certificate Program
09-2022	Innovation and Core Concepts of Engineering Entrepreneurship

Links

LinkedIn:

[linkedin.com/in/mohamad-hussein-link](https://www.linkedin.com/in/mohamad-hussein-link)

Github (Portfolio):

github.com/Mohamad-Hussein

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