

Mohamad Addasi

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Education

Concordia University

Bachelor of Software Engineering

Expected April 2027

Montreal, Quebec

- **Relevant Coursework:** Data Structures and Algorithms (Java), Object Oriented Programming I (Java, C++), Object Oriented Programming II (Java), Web Programming (HTML, CSS, JavaScript, Node.js)

Experience

McHacks 11

Hackathon

Jan 2024

Montreal, Quebec

- Trained a model that interprets sign language using Python and multiple Python libraries, improving the accuracy by 50%.
- Created a Python script to add node landmarks on the hand pictures passed to the model which vastly improved the accuracy of the model..
- Helped organize our team's roles into frontend and backend jobs. Our efforts were rewarded by winning 3rd place at the hackathon and winning a prize.

Projects

Hand Recognition | *Python, OpenCV, MediaPipe*

- Created a Python script using the OpenCv and MediaPipe libraries to track hand movements by placing node landmarks on them, which greatly increased the accuracy of a model we were creating at a hackathon.

Portfolio Website | *HTML, CSS, JavaScript*

- Created a sleek and modern looking portfolio website for my friend so he can share his architectural projects with anyone.
- Used vanilla JavaScript to make the website interactive and CSS to style the website. I will continue to improve the website by making it more modern and responsive using a JavaScript framework..

Fluent Fingers | *Python, OpenCV, MediaPipe, HTML, CSS, React, Bootstrap, Jupyter Notebook*

- Contributed to training a model in a team of 4 using Python in a Jupyter Notebook at a day long hackathon, improving the accuracy of the model around 50%.
- Implemented a Python script that allows the program to track hand movements using Python libraries and by placing node landmarks on them, greatly improving the accuracy of the model.

Technical Skills

Languages: HTML, CSS, JavaScript, Python, Java, C++

Technologies: Angular, Flask, Express.js, Visual Studio Code, Visual Studio, IntelliJ, PyCharm, Jupyter Notebook, Google Collaborate

Concepts: Artificial Intelligence, Machine Learning, Neural Networks, API