Mohamad Addasi

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Education

Concordia University Expected April 2027

Bachelor of Software Engineering *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

HackConcordia May 2024 - Present

Technology Director *Montreal, Quebec*

- Building and maintaining HackConcordia and ConUHacks websites using a JavaScript framework and Node.js.
- Creating and handling large data systems to efficiently serve over 1000 applications registered for ConUHacks, Quebec's biggest Hackathon.
- Retrieving and analyzing participant.

McHacks 11 Jan 2024

Hackathon *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

Moe.dev | *Angular, Typescript, Bootstrap, Firebase* | Click here to visit

- Created and designed a personal portfolio website to conveniently display my skills, personality, and projects.
- Used Angular, Typescript and Bootstrap to design and make the website responsive. Utilized Angular to route my website to all the pages needed.
- Hosted the completed website on Firebase to be accessible for everyone.

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.

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.

Awards

Hackathons: Won 3rd place at McHacks 11 (McGill University's biggest Hackathon).

Technical Skills

Languages: HTML, CSS, JavaScript, Typescipt, Python, Java, C++
Technologies/Frameworks: Git, Angular, Bootstrap, Node.js, Express.js, Flask
Applications: Github, Visual Studio, Visual Studio Code, IntelliJ, Pycharm, Jupyter Notebook, Firebase
Concepts: Artificial Intelligence, Machine Learning, Neural Networks, API