

# Aly Shariff

alyshariff2810@gmail.com | 5144028898 | Montreal, QC | <https://alyshariff.netlify.app/>

## EDUCATION

### Honours Pure and Applied Science

Marianopolis College, Montreal, QC (36 R-Score)

Aug 2022 - 2023

### High School Diploma

Collège Jean-de-Brébeuf, Montreal, QC

2017 - 2022

## EXPERIENCE

### Software Developer

DoorHan International

Feb 2023 - Jun 2023

- Working on a mobile app to help improve the efficiency of the work of contractors at the company
- Building a full stack web application for administrators to manage their employees
- Tools used: React, NodeJS, Postgres

### Finance Assistant

Gestion Immobilière Anwar Inc, Montreal, QC

Apr 2022 - Present

- Built an automated document processing software for the company using Python. Increased efficiency by more than 50%
- Worked with accounting softwares (Sage 50 and Microsoft Excel) to process client data and manage revenues
- Compiled credit card receipts and tracked company monthly spendings
- Helped organizing financial sheets and accounting statements

### Co-founder and Co-CEO

EVO Pressure Washing, Montreal, QC

Apr 2022 - Aug 2022

- Founded a pressure washing and paver treatment company that made \$11,000 of revenue in less than 3 months
- Developed a treatment to make exterior pavers look brand new after extensive research
- Participated in all facets of the business and learned more about online marketing and finance management

### Co-founder and CEO

AXYAS Tutoring Service, Montreal, QC

Jul 2020 - Aug 2022

- Founded an online tutoring service to help students facing academic difficulties during the COVID pandemic
- Managed a team of 50 high school and CEGEP tutors teaching over 100 students
- Developed and grew the business for 2 years, generating \$45,000 of sales, and acquiring leadership and communications skills
- Made a 3-week-long summer camp in 2021 to help younger students prepare for their high school admissions exams

### Camp Counsellor

Camp Discovery Ismaili, Canada

Jul 2021 - Jul 2021

- Volunteered as a counsellor for a week-long online summer camp
- Organized and lead activities to younger children that aimed to develop creativity, mindfulness, and a growth mindset

## SKILLS

*Programming Language Proficiency*    JavaScript, React, React Native, MongoDB, NodeJS, Python, Tensorflow, HTML, CSS  
English (advanced), French (advanced)

## PROJECTS

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**Artificial Sign Language** *Python, Tensorflow, MediaPipe, Pandas* <https://projectboard.world/isef/project/robo053t-artificial-sign-language>

A machine learning project focused on building a program that translates American Sign Language gestures into English Text. This involved scraping data from the Internet, processing and analyzing video and text data as well as training multiple neural network architectures. Our project was selected to participate at the 2023 Regeneron International Science and Engineering Fair.

**TEDED Student Talk** <https://www.youtube.com/watch?v=PI3vavCDof8>  
Made a TED Student Talk where I spoke about the entrepreneurial mindset as the future of education

**SOFOS** *JavaScript, React Native, Expo CLI* <https://github.com/Freakboy123/sofos>  
A mobile app startup built for the Junior Achievement Quebec program. SOFOS aims to improve people's general knowledge

**The Chat App** *JavaScript, React, NodeJS, MongoDB, SocketIO* <https://github.com/Freakboy123/the-chat-app>  
A real time chat application built using the MERN stack. Allows users to create an account and start chatting with their friends using the web interface.

**XChange** *JavaScript, React, Python, C++, Matplotlib* <https://github.com/xinlei55555/CONUHACKSVII>  
An application made for the National Bank of Canada challenge in ConuHacks, built to visualize transactions between exchanges using graphs and tables. A machine learning algorithm was also designed to detect anomalies in the transactions.

**Portfolio Website** *React, HTML, CSS, Tailwind, Netlify* <https://alyshariff.netlify.app>  
My personal website!

## AWARDS

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**Regeneron International Science & Engineering Fair (ISEF) Participation Award May 2023** Hydro Québec & Montreal Regional Science and Technology Fair  
Our project Artificial Sign Language was qualified to participate at ISEF, the largest science fair competition in the world.

**Top 200 in the World - Sir Isaac Newton Physics Competition May 2023** University of Waterloo

**Science Fair Awards 2023** Hydro Québec and Réseau Technoscience  
Multiple prizes obtained for the project Artificial Sign Language: Prize of the Ministry of Economy, Innovation and Energy, Collegial Bronze Medal at the provincial level, Best Overall Project at the Regional Level, Gina Cody School of Engineering and Computer Science Award (Concordia), OCTAS Laureate for the "Relève étudiante" category.

**2nd place Hackathon Winner Jan 2023** BrébeufHx  
Rewarded for having built a web application that uses machine learning (unsupervised recommender system) to recommend books to teenager based on their interests.

**1st place Machine Learning Hackathon Winner at PolyHx October 2022** PolyHx (Université de Montréal - École Polytechnique)  
Award recognized for having coded a supervised machine learning algorithm with the highest overall score (F1 Score, accuracy and fairness) for a given problem and dataset.

**1st place Hackathon Winner Feb 2022** BrébeufHx  
Built a website to inform people about children's rights and living conditions around the world. Used the Unicef API to display data on an interactive map.

**2nd Place Winner at IBY+ Hacks 2021 Hackathon Jun 2021** Innovation by Youth Lab  
Built "Online Made Easy", a web app that aims to help students organize their online studies

**AQJM Contest Finalist 2021** AQJM

**Waterloo Pascal Contest School Finalist 2020** University of Waterloo