Jason Shao

📞 (438)-370-9345 | ✉️Tianzhen.shao@mail.mcgill.ca| 🌐 linkedin.com/in/jason-shao | 💻 https://github.com/Tsha0

Skills

Programming Languages: Java, C, HTML/CSS, JavaScript, Python, Bash, Ocaml
Frameworks/Tools: VUE.js, Git, Django

Education

Bachelor of Software Engineering | McGill University Sep 2022 – May 2026
GPA: 3.73/4.00
McGill Formula Electric member - Chassis Development
Courses: Data Structures and Algorithms, Operating Systems, OOP Programming

High School Diploma | Stanstead College Sep 2019 – Jun 2022
Recipient of the Arthur E. Curtis Jr. Award (awarded to the top student entering an engineering program)

Work Experience

Front-end Developer Intern | Langying Education Jun 2021 – Aug 2021
· Developed the teacher-student interaction software using **JavaScript**, **HTML/CSS**, and **VUE.js** framework to beautify and improve the user experience.

Purchasing Intern | Jaguar Land Rover May 2023 – Aug 2023
· Assisted in the development and execution of procurement strategies, negotiated with suppliers to optimize cost savings and efficiency, and actively engaged in workshops, such as **AWS** cloud services.

Projects

MP3Scorer | CodeJam 13 Hackathon Nov 2023
· Developed MP3Scorer which streamlines the process of manually creating musical notations from sounds, by creating an application that converts MP3 files to sheet music. This application utilizes an ***audio processing model*** to extract the melody of songs and recompose it into playable sheet music for different instruments such as Piano and Violin.
· Involved in the backend development of the project, including the implementation of the audio processing model, and utilized ***Flask*** to create a backend database for storing the processed data.
· Utilized ***VexFlow*** JavaScript library to convert notes into readable sheet music.

AI Stock Advisor | MAIS Hackathon Sep 2023
· Developed AI Stock Advisor that predicts the future stock prices using *a* ***Tensorflow*** machine learning library to create a **Sequential Learning** model that analyzes the past stock prices.
· Involved in both front and back end development of the project, using **Flask** to create a backend database to store the machine learning model and trained data and **JavaScript** for the front-end API requests.

Smart Calendar | CodeJam 12 Hackathon Dec 2022
· Developed a smart calendar that tracks your personal schedule and generates a smart schedule using **JavaScript**, **Python**, and **Django.**

Leadership

Founder | Robotics Club Sep 2019 – Mar 2022
· Founded the first robotics club in Stanstead College, hosting weekly events to gather robotics lovers and **teach** them all the aspects about robots by **building** and **programming** the robots using **Arduino** motherboards.