

# Henry Lefebvre

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## EDUCATION

*Bachelor of Science*, Honours Computer Science

McGill University, Montreal, QC

Sep. 2022 - June 2026

*GPA: 3.93/4.00*

*Relevant Courses:*

- *CS*: Intro to CS, Software Systems, Computer Systems, Programming Languages & Paradigms, Accelerated Intro to Machine Learning
- *Math*: Discrete Math, Linear Algebra, Probability, Multivariable Calculus

## PROJECTS

**LangSonic** - MAIS 202 Bootcamp Project

Oct 2023 - Present

- Developing a Convolutional Neural Network (CNN) from scratch using TensorFlow for language classification
- Handling end-to-end data processing; converting Mozilla Common Voice mp3 dataset into mel spectrograms for CNN training
- Aiming to achieve an accuracy of approx. 90% on 5 languages, with potential to expand to a broader language set

**ApartMatch** - MAIS Hacks 2023

Oct 2023

- Won Gold Hack: First Place
- Created a Flask-powered website utilizing image captioning machine learning models to enhance the apartment hunting experience.

**stockbro.ai** - McHacks 10

Jan 2023

- Won Best Newbie Hack
- Built an AI-driven website to predict stock prices using search volume trends

**minimal-tetris**

July 2022

- Recognized among Best Projects at McGill Projects Showcase 2023
- Crafted a minimal, customizable take on the classic NES game using Kotlin and Swing.

## WORK

### EXPERIENCE

*Data Science & ML Intern*

Mar 2023 - Sep 2023

Tech Bytes Foundation, Remote

- Completed weekly projects on Data Analysis and Visualization in Python
- Created visualizations of historical stock prices and trading volume

## SKILLS

Programming Languages:

- Python, Java, Kotlin, OCaml, C/C++, JavaScript, HTML, CSS, BASH

Frameworks and Tools:

- Git/GitHub, Terminal/CLI, SSH
- Flask, NumPy, Pandas, Tensorflow, PyTorch