

## EDUCATION

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McGill University — BMus Music Performance, Major in Computer Science

2018-2023

Relevant courses:

Software Architecture, Applied Machine Learning, Algorithms and Data Structures, Database Systems, Programming languages & Paradigms, Computer Systems, Algorithm Design, ...

Academic Achievements:

Entrance Scholarship  
Lallemand Scholarship for Music Excellence  
Tousey Scholarship in Jazz

GPA: 3.61

## EXPERIENCE

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Government of Canada — Systems Developer Intern

Ottawa, September 2022 - Present

- Built a workflow with Python and Airflow to monitor database statistics, visualizing results via Splunk dashboard — scheduling streams of 120+ data points per hour.
- Developed and shipped Airflow job that extracts, transforms, and loads large data files to automate and replace a legacy system.

SIMMSA — Software Developer Intern

Montréal, May 2022 - August 2022

- Designed and architected new UI with HTML, CSS, and Typescript for a music notation online editor, working with app users/testers to improve user experience.
- Introduced several features using C++ and Typescript, rolling out a new web app version for use by music academics internationally.
- Implemented E2E testing with Cypress, writing unit tests to maintain software lifespan and usability.

## PROJECTS

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Neume Editor Online (Neon) | Undergraduate Research Assistant

- Develop the browser-based music notation editor written in Typescript and C++ using the Verovio music-engraving library.

Spotify Stats App | Personal Project

- Built with Javascript, Node, Express, EJS, and the Spotify API to retrieve user activity and view listening trends.

## SKILLS

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Languages — Python, Java, Typescript, Javascript, C++, HTML/CSS

Frameworks & Tools — Git, React, Angular, Node.js, Neo4j, PyTorch, Airflow

Other — Creative coding, Rock climbing, Caring for plants, Fetching coffee