Highly creative, well-driven and functionally bilingual second-year student in Honours Computer Science at the University of Ottawa, eager to showcase my excellent analytical, programming and communications skills in a collaborative team environment.

Program-Related Skills

- Web Development: Experienced with HTML, CSS, JavaScript, Node.js, Express.js, Flask
- App Development: Experienced with Android Studio
- Programming Languages: Java, Python, SQL, R, Go, XML, Prolog, Assembly, Scheme
- Database Management: PostgreSQL, SQLite, DuckDB, Firebase
- Data Analysis & Visualization: Jupyter Notebook, RStudio, QGIS, HOBOware
- Software: Microsoft Office (Word, Excel, PowerPoint), Adobe Suite, Zotero, pgAdmin4

Work Experience

Data Analytics Intern, Poisson Consulting Ltd.

May-September 2023

- Cleaned and manipulated raw datasets in R using various Tidyverse packages to support numerous projects on behalf of private and public sector clients, including BC Hydro
- Entered and organized large data sets across a variety of file formats through R scripts, and databases such as SQLite and DuckDB
- Supported quality control through error detection and correction, and the upkeep of Poisson's R
 packages, including replacing deprecated R functions with newer solutions
- Mapped spatial fish data obtained from drone surveys using QGIS to monitor changes in species population and growth

Teaching Assistant, Columbia Mountains Institute of Applied Ecology July 2023

Assisted with the preparation and delivery of *Intro to R*, a course demonstrating the capabilities
of R, its various packages, and its applications in biology / ecology

Education

University of Ottawa, Honours BSc Computer Science (Graduating 2026) 2022-Present

<u>Projects</u>

- Created an interactive Flask application that predicts the seafood consumption of various regions in Oceania based on historic data using a polynomial regression analysis and a variety of Python libraries including Pandas, Scikit-learn, NumPy and Matplotlib
- Designed and tested a mobile Android app for cyclists with multiple functionalities using Java,
 XML, Android Studio and Firebase
- Created a functioning hotel booking website with HTML, CSS, JavaScript, Node.js, Express.js and a PostgreSQL database
- Using **Java**, **Scheme** and **Go**, developed a similarities image search program to manipulate digital images, compute their histograms and compare images to a data set