

Jordan Lau

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Personal website: www.jordanxlau.github.io

Education

University of Ottawa

September 2021 - December 2025

Bachelor of Science in Computer Science and Minor in Linguistics.

- CGPA of 9.65 (10-point scale).
- Canadian Hearing Services National Scholarship Winner (\$4000/2 years).

Work Experience

Government of Canada, National Defence

Fall 2023

Student Software Developer

- Researched 10+ antivirus software providers and dozens of software versions to develop analytics for the Government's Threat Surface dashboard.
- Implemented these analytics in **Python** scripts and stored data in a **MongoDB** database.
- Tracked tickets using **Jira** kanban board and participated in code review for pull requests on **GitLab**.
- Automated scripts using **Concourse**.

University of Ottawa, Engineering Outreach

Summer 2023

Bilingual Instructor

- Instructed STEM camps for children and was responsible for their wellbeing and learning.

Teenage Tutors and freelance

Fall 2019 - Present

Math, Programming, French and English Tutor

- Develops questions and explains concepts to help students of all ages.

Skills

- Programming Languages: **Java** (and JUnit), **Python**, **JavaScript** (and JQuery), **Go**, **Scheme**, **C**, **R**.
- Technologies: **SQL**, **MongoDB** (CLI and Atlas), **Linux**, **VSCode**, **Jira**, **Concourse CI/CD**, **Git**, **Bash**.
- B2 proficiency in **French** (CEFR scale).

Projects

Personal Website

Winter 2024

- Written with **HTML**, **Bootstrap**, **JavaScript** and **JQuery**. Hosted with **GitHub Pages**.

Dominant Plane Detection with RANSAC Algorithm

Winter 2023

- Implemented RanSaC algorithm in **Java**, **Go**, **Prolog** and **Scheme** to detect dominant planes by clustering points captured with LiDAR.

University Course Selection Android App

Summer 2022

- Team project implementing a course viewing and selection service for students and instructors.
- Designed with **Java** in **Android Studio**.
- Includes **SQLite** database and **JUnit** tests.