

Bradford Ward

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EDUCATION

Carleton University

September 2022 - April 2027

Ottawa, Ontario

- Bachelor of Computer Science Honors, Minor in History | GPA: 3.91/4.00

SKILLS

- Tools:** GitHub, VS Code, Deno, IntelliJ, Webots, QtCreator, VirtualBox, Power BI, SharePoint
- Languages (by familiarity):** Java, C/C++, SQL (Sqlite3), JavaScript, Python, HTML, R
- Other:** Technical Writing, Research, Analysis, Presentations, Collaboration, Documentation

WORK EXPERIENCE

Junior Power BI Analyst

January 2025 - August 2025

Employment and Social Development Canada

Gatineau, Quebec

- Made use of Power BI to assist in the development of the Canada Student Financial Assistance Program Dashboard, increasing efficiency in information retrieval and task completion across the program.
- Created an Excel spreadsheet to automate the generation of a Monthly Service Standards Dashboard, increasing workplace efficiency by allowing it to be created in under five minutes.

Junior Project Coordinator

May 2024 - August 2024

Employment and Social Development Canada

Gatineau, Quebec

- Wrote executive summaries on Large Language Models, Machine Learning, Biometric Authentication, and Quantum Computing technologies, to be reviewed in a digestible manner by senior management.
- Expanded on these topics to author research papers which discussed industry and government use cases, as well as benefits and risks associated with their implementation, to be considered by the IT Strategy team.
- Condensed these papers into PowerPoint presentations for Director Generals and Assistant Deputy Ministers.

Residence Fellow

September 2023 - April 2024

Carleton University Housing and Life Services

Ottawa, Ontario

- Worked alongside other Residence Fellows to plan events on residence and direct students to on-campus resources, fostering a welcoming and inclusive community.
- Responded to health emergencies and conflicts, exercising quick problem-solving and crisis-management.

PROJECTS

HinLIBS: Hintonville Library Information and Borrowing System

October 2025 - December 2025

- Worked in a team to develop a vertical prototype for an item-borrowing and catalogue-management system for library use, using C++ for back-end logic, QtCreator to create the front-end, and SQLite for persistent storage.
- Authored technical project documentation including justifications for design decisions, UML diagrams, and a README containing instructions for installation and use.

Ghosts vs. Hunters Simulation

November 2023 - December 2023

- Programmed a multi-threaded simulation in C with a partner, wherein four hunters chase a ghost through a house with mapped out rooms, which are connected and traversed via linked lists.
- Made use of code-sharing tools such as GitHub for the purposes of collaborative programming sessions, as well as version control, maintaining an organized and efficient workflow.

NOTABLE ACCOMPLISHMENTS

Student Trustee

August 2021 - July 2022

Upper Canada District School Board, Brockville, Ontario

- Coordinated students from every high school in the school board towards a [fundraiser](#), which led to \$9,100 from an initial \$5,000 goal being raised towards food security in Indigenous communities.