

Alexander Steeves

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WORK EXPERIENCE

CBSA CPCC Team

Januray.2022 – January.2023

Software Developer

Ottawa, ON

- Led the development of multiple applications to enhance the Observational Border Database used by officers daily
- Created an email filing system using the **Java** library **Apache POI** that automated the manual data extraction, reducing the time it previously took officers by 80%
- Created a central panel using **JSwing** that allowed officers to store reports as **HTML streams** using **SQL**, allowing them to manipulate and send the reports to shipping carriers

Transport Canada

May.2020 - August.2020

Data Analyst

Ottawa, ON

- Created a risk assessment application using **visual basic**, which allowed officers to view the relative risk of a given track
- Used **Excel functions** to organize and find redundancies in large datasets
- Analyzed and manipulated datasets of rails in Canada, creating pivot tables to see relations

EDUCATION

University of Ottawa

December, 2023

Bachelors of Computer Engineering.

Ottawa, ON

SKILLS & INTERESTS

- **Programming:** Java, Python, JS, CSS, HTML, VB, Assembly, SQL, Golang, Prolog
- **Tools:** VS Code, Android Studio, GIT, Eclipse, mySQL, SQLite, Solid Works
- **Soft Skills:** Strong interpersonal skills, strong attention to detail, positive attitude, punctuality
- **Microsoft Office:** Work experience with Excel and Word, experience in all office applications
- **Relevant Courses:** Introduction to Databases, Data Structures and Algorithms, Programming with C++

Projects

- **Course Registration App**
 - Created application using android studio that allowed user types: student, instructor and admin to be created and stored in a database. Courses could be added and stored in database by the admin allowing teachers to select which courses they would like to each and allowing students to select which courses they would like to join.
 - **Languages and Tools Used:** Android Studio, Java, SQLite
- **Gym Booking Bot**
 - Used selenium, tykinter and schedule python libraries to create a program that books my university gym times automatically. Selenium was used for web scraping, tykinter for a GUI and schedule to that it runs at 9:00 every night when gym timeslots are released.
 - **Languages and Tools Used:** VSCode, Python