

# Alexander Steeves

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## OBJECTIVE

Computer engineering graduate with 20 months of relevant co-op experience, seeking to start my career with a dynamic company where I can apply my skills and contribute to innovative projects.

## EDUCATION

### University of Ottawa

Bachelor of Applied Science in Computer Engineering

Ottawa, ON

Aug. 2019 – May 2024

## EXPERIENCE

### Data Analyst

Canada Revenue Agency

May 2023 – Sept 2023

Ottawa, ON

- Identified and fixed a **50%** data discrepancy between the legacy and new databases using Excel and SasViya, ensuring data integrity and accuracy, which prevented potential data loss
- Streamlined data processing and analysis by creating efficient reports using CognosBI, improving reporting speed by **20%**

### Software Developer

Canada Border Services Agency

Jan. 2022 – Jan. 2023

Ottawa, ON

- Built components for a Java-based Database Management System, enhancing system reliability and performance
- Developed a component to automate email distribution using **Java**, **SQL** and **ApachePOI**, saving officers **80%** of their time and increasing operational efficiency
- Built a component that streamlined the storing and populating of boilerplate documents, saving officers hours in manual entry and improving document management efficiency

### Data Analyst

Transport Canada

May 2020 – Sept 2020

Ottawa, ON

- Built custom reports to visually display rail and track data to field agents, enhancing data accessibility and decision-making
- Reverse engineered a complex rail safety equation using Excel, adjusting weights to deliver unbiased information, improving safety assessments

## PROJECTS

### Nourish | *Next.js, Supabase, JSX, SCSS, HTML, Axios, Redux, gpt3.5* | Repository

02/2023 – Present

- Nourish, a dynamic meal plan generator that produces customized meal plans in under 60 seconds
- Developed a full-stack web application using Next.JS as the Frontend and Supabase as the Backend
- Used Redux for state management and gpt3.5-turbo API via axios for real-time meal plan generation.

### Clarify | *React Native, Electron.JS, flask, python, Expo Go* | Repository

02/2023 – 12/2023

- Developed Clarify, a smart mirror, which displays media and events for users, streaming morning routines
- Led phone app development for Clarify in an Agile team using Jira, focusing on intuitive UX with React Native and Expo Go.
- A RESTful Flask server for backend management, hosted on a Raspberry Pi, displaying the mirror UI

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, TypeScript, TailwindCSS, VHDL

**Frameworks:** React, Angular, Node.js, Flask, JUnit, Material-UI

**Developer Tools:** Git, Docker, VS Code, Visual Studio, Eclipse, AWS(EC2, EBS), MySQL, Figma

**Libraries:** Pandas, NumPy, Matplotlib, FramerMotion, Redux, express.js

## CERTIFICATIONS

### Coursera Deep Learning Specialization | *python, numpy, tensorflow, matplotlib*

Apr 2024 – May 2024

- I completed The Deep Learning Specialization by Coursera and Andrew Ng where I extensively utilized Python, NumPy, TensorFlow, and Matplotlib to build neural network architectures such as Sequential LLMs and Transformers
- Verification:** <https://coursera.org/verify/specialization/DZS6NBNUCLEP>