

Employment

Canada Border Services Agency	Software Developer	Spring 2022 – Spring 2023
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- Led the design and implementation of a front-end UI using Java and ApachePOI Library, facilitating the storage of HTML streams in an MySQL Database.
- Spearheaded the development of an email filing system, significantly enhancing user experience by saving officers 80% of their time.
- Built, unit tested, and maintained an interactive database system using Java and SQL, greatly improving operational efficiency for officers.

Canada Revenue Agency	Junior Data Analyst	Summer 2023
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- Created comprehensive data analytic reports using Cognos BI resulting in to more efficient case management.
- Performed in-depth data analysis and visualization using SAS VIYA to support strategic decision-making.

Transport Canada	Junior Data Analyst	Summer 2020
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- Developed risk assessment applications in Visual Basic, significantly enhancing rail safety and operational efficiency, resulting in a 30% time savings for officers. Employed advanced data analysis techniques to support critical safety evaluations

Education

Ottawa, ON	University of Ottawa	Fall 2018 – Winter 2023
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- BAsC in Computer Engineering
- Relevant Courses: Databases; Operating Systems; Data Structures and Algorithms; Computer Architecture

Computer Science Projects

Clarify Smart Mirror

<https://github.com/uoClarify/clarify-phone-app>

- Full stack smart mirror. Led phone app development using **React Native** to build and **Expo Go** to host
- Employed **Electron.JS** to create the mirror front end hosted on the Raspberry Pi. Backend database stored on the pi

Nourish-Meal Plan Generator

<https://github.com/AlexSteeves/Nourish-MealPlanGenerator>

- Nourish gives users customized meal plans based on their liking.
- Built using React.JS and TailwindCSS, AWS Amplify for hosting, Redux for state management
- Impemented the **axios** library to connect with **gpt3.5-turbo API** and generate meal plans.

Personal Portfolio

https://github.com/AlexSteeves/Portfolio_v1.0.3

- Designed a portfolio to showcase my projects and link my social media using Figma and built with **React.JS** and **TailwindCSS**

Skills

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- Java, Python, C++, SQL, JavaScript, HTML, CSS, Kotlin, TypeScript, React.js, Node.js, Angular, React Native, Docker, MySQL, PostgreSQL, AWS, Firebase, GIT/Github, App Development, Jira.

Additional Experience and Awards

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- **Machine Learning on Google Cloud Specialization:** Used Vertex AI AutoML and BigQuery ML to build, train, and deploy ML models