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Alexander D. Steeves

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Employment

Canada Revenue Agency   **Junior Data Analyst**   **Summer 2023**
- Created data analytics reports using **Cognos BI** to analyze CRA Appeals data of ongoing cases.
- Utilized **SAS VIYA** to analyze data and extract graphs for management.

Canada Border Services Agency   **Software Developer**   **Spring 2022 – Spring 2023**
- Designed **Front End UI** using **Java** and ApachePOI Library to store HTML streams in an **MySQL** Database.
- Lead the development of an email filing system which saved **80%** of officer time enhancing user experience.
- Built, unit tested and maintained interactive database system using **Java** and **SQL** used by officers

Transport Canada   **Junior Data Analyst**   **Summer 2020**
- Created risk assessment applications in **Visual Basic** for efficient rail evaluation, enhancing safety and saving officers **30%** of their time

Education

Ottawa, ON   **University of Ottawa**   **Fall 2018 – Winter 2023**
- 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`
- Lead the development of the phone app using **React Native** to build and **Expo Go** to host
- Utilized **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`
- Developed a meal plan generating web app, which gives a full plan based on user inputs.
- Built using React.JS and TailwindCSS for styling, AWS Amplify for hosting, Redux for state management.
- Utilizes the **axios** library to connect with **gpt3.5-turbo** and generate meal plans. Docker used for project containerization.

Personal Portfolio

`https://github.com/AlexSteeves/Portfolio_v1.0.3`
- Personal portfolio created to showcase my projects and link my social media.
- Designed using Figma and built with **React.JS** and **TailwindCSS** for good front end design and user experience.
- Showcases front end web development

Languages and Technologies

- **Languages:** Java, Python, C++, golang, SQL, javascript, html, css, Kotlin, typescript
- **Frameworks and Libraries:** React.js, Node.js, TailwindCSS, React Native, angular
- **Tools:** MySQL, aws, PostgreSQL, FireBase, app development, GIT/github, Software Development, Jira,

Additional Experience and Awards

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