

Owen Sellner

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Work Experience

IT Developer - Transport Canada

Jan. 2024 - Present

- Developing a full-stack web application information retrieval tool with **ASP.NET** and **C#** to index and search through text documents using Microsoft Azure AI Search to extract dates, names and locations.
- Planning the **PostgreSQL** database schema and building **REST APIs** to access and edit the key information.

Junior Developer - Food Processing Skills Canada

June 2023 - Sept. 2023

- Developed an email automation script with **JavaScript** for an online course to send customized emails to their clients using test results to recommend topics to review.
- Built a script to extract text data from Word documents and convert it to CSV format to simplify and automate the process of uploading course content to the website.

Extracurriculars

Project Lead - UW Blueprint

Jan. 2024 - Present

- Planning the software architecture design of a data management web-application for the non-profit Child Witness Centre utilizing **Typescript**, **Node.js**, **React**, and **MongoDB** with a team of student developers.
- Providing technical leadership through implementing best code practices, conducting code reviews, creating development tickets and mentoring developers.

Project Developer - UW Blueprint

May 2023 - Dec. 2023

- Developed a data management web-application for the non-profit Supportive Housing of Waterloo utilizing **Python**, **Flask**, **TypeScript**, **React**, and **PostgreSQL** with a team of other student developers.
- Collaborated with clients and team members to ensure that user needs were accurately translated into the platform's design and functionality.

Projects

UW Energy Network Website - HTML, CSS, Javascript

- Designing and implementing a responsive website using **HTML**, **CSS**, and **Javascript** for the UW Energy Network club to promote their events, podcast episodes, and to direct their members to helpful resources.
- Implemented the events with **HTML** templates using **Javascript** to extract event information from a JSON file making it easier for the UW Energy Network team to add, remove, and edit their events.

Type Trainer - HTML, CSS, Javascript

- Developed a website using **HTML**, **CSS**, and **Javascript** to help improve typing skills by allowing users to practice uninterrupted typing of quotes fetched from an API source.

Portfolio Website - React, Javascript, Material-UI, Netlify

- Developed a responsive website in **React** to share information about myself and showcase projects I have worked on then deployed the website using **Netlify**.

Education

2020 - Present

University of Waterloo - Bachelor of Applied Sciences in Management Engineering, Option in Computing