

# Aaron Sinn

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## EDUCATION

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### University of Windsor

Sept. 2021 - Dec. 2025

Bachelor of Computer Science, Honours

Windsor, ON

- Relevant Coursework: Data Structures and Algorithms, OOP using Java, Web Development, Systems Programming, Database Management Systems
- Recipient of the Dean's Entrance Scholarship

## EXPERIENCE

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### Data Analyst Intern

May 2023 – Dec. 2023

Ontario Power Generation

Oshawa, ON

- Wrote **SQL** queries to retrieve and manipulate data from relational databases, ensuring data accuracy and completeness
- Automated data retrieval processes using a combination of **SQL and Python**, resulting in a significant time-saving of **12+ hours per week**
- Utilized Excel to build tabular data models and preformed DAX queries to support essential KPIs
- Created visually appealing **Excel and Power BI dashboards** to support real-time decision making for the senior leadership team
- Developed **SharePoint web pages** with a focus on enhancing accessibility to training materials

### Teaching Assistant

Sep. 2022 – April 2024

University of Windsor

Windsor, ON

- Responsible for lab instruction, marking assignments, and holding office hours for **4 undergraduate computer science courses**

## PROJECTS

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### 🌐 SquadSync | Python, Selenium, Flask, JavaScript, SQLAlchemy, Bootstrap

- Developed a **full-stack** employee management system using **Flask** where users can create new employees, departments, positions, and events in their calendar
- Functional login and registration system featuring **user-authentication**
- Developed a **REST API** to allow users to execute **CRUD** operations, managing data storage within an **SQLite database**
- Designed a responsive dashboard using **Bootstrap**, showcasing real-time data
- Created **automated unit tests** using **Selenium**

### 🌐 Groove Grabber | Python, Selenium

- Developed a **Python** script that automates the process of converting your YouTube playlist into mp3 files on your local machine
- Utilized **Selenium** to convert the audio from YouTube videos to mp3 and automate the download process

### 🌐 Recipe Search Website | JavaScript, HTML, CSS, Bootstrap

- Developed a website where users can search for millions of recipes with the Edamam API
- **Fully responsive** design ensures optimal user experience across all devices
- Hosted using **Vultr and Nginx**

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, C++

**Web Technologies:** Flask, JavaScript, React, HTML, CSS

**Developer Tools:** Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Bash

**Databases:** SQL, SQLite, MySQL