

CARLOS CARANDANG

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TECHNICAL SKILLS

Languages | Python, SQL, Java, HTML, CSS, Javascript, Bash, C, Elixir

Libraries/Frameworks | Pandas, Matplotlib, NumPy, Beautiful Soup, SQLite, Flask, PyTest

Technical Tools and OS | Microsoft 365 (Excel, Word, Outlook), MS Visual Code, Git, VIM Editor, Windows, Linux/Unix

EDUCATION

Computer Science Co-Op, BSc (Honours)

Sept 2021 - May 2026 (Expected)

Toronto Metropolitan University (Formerly Ryerson)

Toronto, ON

Activities: Intramural Sports Team Captain Sept 2021 - Present

EXPERIENCE

E-Commerce Advisor | Ontario Chamber of Commerce

Sept 2023 - Dec 2023

- Responded to **10+ inquiries daily** related to the Canada Digital Adoption Program, offering guidance to businesses and effectively solving challenges in the digital realm.
- Supported **50+ small businesses** throughout the grant application process, ensuring accuracy and completeness of applications, and tracked outcomes to measure program impact.
- Organized and cleaned **Excel** sheets by removing irrelevant data and cross-referencing current information to ensure accuracy, demonstrating strong attention to detail and improving overall data reliability.

PROJECTS

Toronto House Listings Analysis

- **Web scraped** over **100 house listings** in Toronto from the REMAX website using **Beautiful Soup**.
- **Organized, cleaned, and stored data** acquired into a CSV file using the **Pandas library**.
- Utilized **Matplotlib, NumPy**, and the **Google Maps API** to create insightful visualizations, identifying correlations and trends within self-made data sets.

Food Calorie Calculator

- Designed a dynamic website using **HTML** and **CSS** to create a user-friendly interface for a food calorie calculator.
- Utilized **Python** along with the **Flask framework** to integrate an **API** with a vast database of approximately **900,000** food items, allowing users to request and retrieve nutritional information.
- Employed efficient data extraction techniques to extract relevant calorie information from the API's extensive database, ensuring reliable and precise results for various food items.

SoundCheck | Backend Developer

- **Led development for databases**, managing user logins, events, shopping carts associated with users, and event information, including ticket prices and quantities.
- **Collaborated** with a team of 5 to design and develop an online ticketing system using **HTML, CSS, Python**, and **SQL**.
- Applied **software development** methodologies, including **UML diagrams** and the spiral methodology, to ensure efficient implementation of the project.

E-commerce System Simulator

- Developed an e-commerce system simulator using **Java**, applying object-oriented principles.
- Created **database** functionalities for customer cart management, order processing, and shipping operations.
- Implemented inventory sorting, data reading and writing capabilities, and generated product statistics for analysis.