

# CARLOS CARANDANG

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## TECHNICAL SKILLS

**Languages** | Python, SQL, Java, HTML, CSS, Javascript, PHP, Bash, C, Elixir  
**Libraries/Frameworks** | Pandas, Matplotlib, NumPy, SQLite, Beautiful Soup, Flask, PyTest, MongoDB, Bootstrap,  
**Technical Tools and OS** | Microsoft 365 (Excel, Word, Outlook), Git, PowerBI, Oracle, VIM Editor, Windows, Linux/Unix

## EDUCATION

**Toronto Metropolitan University** (Formerly Ryerson) Toronto, ON  
*Computer Science Co-Op, BSc (Honours)* Sept 2021 - May 2026 (Expected)  
*Activities: Intramural Sports Team Captain Sept 2021 - Present*

## PROFESSIONAL EXPERIENCE

**E-Commerce Advisor** Sept 2023 - Dec 2023  
*Ontario Chamber of Commerce* Toronto, ON

- Communicated and guided over **10** businesses daily by responding to inquiries through emails and phone calls, helping them navigate through the Canada Digital Adoption Program.
- Provided direct support to **50+** small businesses during the grant application process, ensuring the accuracy and completeness of their submissions, and tracked outcomes to evaluate the program's effectiveness.
- 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.

## PERSONAL PROJECTS

**Spotify Wrapped Analysis** | *Data Analyst Project* Jan 2025

- Created a visually appealing and interactive dashboard by leveraging **Power BI** to showcase my personal Spotify data for 2024, enhancing data exploration, engagement and insights through dynamic visuals.
- Enhanced data visualization interactivity as measured by user ability to filter and analyze trends over time by incorporating **Power BI's** slicers and time-based heatmaps.

**South East Collective** | *Database Design and Management Project* Oct 2024 - Dec 2024

- Collaborated with a group of three to design a relational database for a simulated clothing store, enhancing functionality through efficient querying and data management using **SQL** and **Oracle 11g**.
- Developed a PHP-based GUI to enable users to perform critical database actions, such as creating, deleting, and querying tables, improving overall database usability and efficiency.
- Leveraged SQL queries to handle data insertion, retrieval, and updates, ensuring smooth and reliable interactions with the database, leading to accurate and consistent data management.

**Toronto House Listings Analysis** | *Data Analyst Project* May 2024

- Accomplished actionable insights into housing trends by web scraping over 100 house listings from the REMAX website using **Beautiful Soup**, enabling further analysis.
- Improved data accessibility as measured by clean and organized data storage by extracting raw house listing data into a structured CSV file using the **Pandas** library.
- Visualized market trends by creating detailed charts and maps that revealed insights into price and location data using **Matplotlib**, **NumPy**, and the **Google Maps API**.

**SoundCheck** | *Backend Developer* Sept 2023 - Dec 2023

- Collaborated with a team of five to accomplish a fully functional online ticketing system, enabling seamless event management and user transactions using **HTML**, **CSS**, **Python**, and **SQLite**.
- Delivered a robust backend database solution that empowered customers to manage event bookings, shopping carts, and account logins by leveraging **SQLite** for efficient data handling.
- Improved system development efficiency by using **SDLC** methodologies, leading to streamlined project execution.