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 application process.
- 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.
- Highlighted key metrics such as top artists, top songs, and listening patterns by time of day using Power BI's visualization tools, enhancing data storytelling and user engagement.
- 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 collaborating with stakeholders, utilizing **SDLC** methodologies, and creating UML diagrams to align project goals, streamline execution, and ensure stakeholder satisfaction.