Hailey D'Souza

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EDUCATION

ONTARIO TECH UNIVERSITY   Sept 2020 - April 2025

BSc IN COMPUTER SCIENCE HONOURS with a specialization in software engineering   Oshawa, Canada

SKILLS

LANGUAGES   Python, Java, C++, JavaScript, HTML, CSS, SQL

TOOLS/FRAMEWORKS   Git, Jupyter Notebook, Visual Studio, Node.js, React, Django, UNIX

EXPERIENCE

ONTARIO LOTTERY & GAMING CORPORATION   Aug 2022 - Present

DIGITAL ANALYST INTERN   Toronto, ON

- Created processes in **Cloudera Data Science WorkBench** to automate tasks, enabling co-workers to **4** extra hours of FTE per week and reducing failure by **100%** for a vital weekly script needed by several departments
- Developed scripts using **Python** and **SQL** to obtain statistical data for ad-hoc requests, resulting in **database query optimization**
- Streamlined existing reporting processes using **Jupyter Notebook** to address time sensitive daily insight requests from the Finance department

CODE NINJAS   Dec 2022 - Present

SOFTWARE PROGRAMMING INSTRUCTOR   Markham, ON

- Guided **48** students weekly through game development using **JavaScript**
- Debugged student solutions and taught coding concepts, enabling students to learn basic **data structures and algorithms**
- Coordinated March break camp programs for **100+** students focusing on technical and professional development

COSTCO WHOLESALE   June 2021 - March 2023

CASHIER | DELI SERVICE CLERK   Markham, ON

- Exceeded cashier hourly scanning goals operating at **158%**, enabling **79** members to checkout per hour
- Prepared and submitted daily deli sales reports from **400+** customers to highlight popular, fast-selling items and identify buying patterns

PROJECTS

PORTFOLIO | haileydsouza.github.io/HaileyDsouza

- Web Application created to showcase myself, built using **JavaScript**, **HTML** and **CSS**, published with **Git**

BATTLEFIELD | Single player, using command line interface

- The user continuously guesses the battleship's randomized location to successfully land a hit and can play multiple levels that expand the board size, built using **C++**

CONNECT FOUR | Two player, using command line interface

- Used 2-D arrays to create a board, validate and store player moves as well as identify winner, built using **C++**

CALENDAR | User Input, using command line interface

- Calendar fetcher that displays any year, has option to view a single month or a yearly calendar, built using **C++**

TIC-TAC-TOE | Single player verses NPC, using command line interface

- The computer loops through looking for the optimal move against user input with 2-D arrays, built using **C++**

SALARY CALCULATOR | User Input, using command line interface

- User can enter up to 3 jobs to receive the bi-weekly salary and sum of each salary combined, built using **Python**