

Hailey D'souza

Third year computer science student dedicated to improving software development skills through work and hands-on learning. Adept at producing clean, robust code in python, JavaScript and other programming languages.

EDUCATION

Ontario Tech University

Computer Science
Graduating 2024

SKILLS

Programming

Python, JavaScript, C++, HTML, SQL

Tools/Frameworks

Git, Linux, Windows, Jupyter, Hue, Django, CDSW

PROJECTS

Personal Website - HTML

haileysouza.github.io/HaileyDsouza

Games - github.com/HaileyDsouza/Games

Battleship - C++

Developed a single player Battleship game using a command line interface for user input and display. The user continuously guesses the battleship's randomized location to successfully land a hit and can play multiple levels that expand the board size.

Connect Four - C++

Created a two player command line interface Connect Four game. Used 2-D arrays to create a board, validate and store player moves as well as identify winners.

Calendar - C++

Programmed a Calendar fetcher that displays any calendar from any year the user inputs. Users also have the option to view a single month or a yearly calendar.

Tic-Tac-Toe - C++

Developed a Tic-Tac-Toe game to face off against a computer. Board is created with 2-D arrays and the computer loops through looking for the optimal move against user input.

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WORK EXPERIENCE

Ontario Lottery & Gaming Corp | Digital Analyst

Aug 2022 - Present | Toronto, Ontario

- 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.
- Streamlined existing reporting processes using python.
- Identified and fixed bugs in database query scripts.
- Worked quickly and efficiently with teammates to address time sensitive daily insight requests from the finance department.

Code Ninjas | Software Programming Instructor

Dec 2022 - Present | Markham, Ontario

- Guided students through game development using JavaScript.
- Debugged student solutions and taught coding concepts.
- Evaluated students on their understanding and graded them.

Costco | Deli Service Clerk | Cashier

May 2022 - Present | Markham, Ontario

- Prepared and submitted daily deli sales reports to highlight popular, fast-selling items and identify buying patterns.

June 2021 - May 2022 | Markham, Ontario

- Exceeded cashier hourly scanning goals operating at 158%, enabling 79 members to checkout per hour.

Dairy Queen | Supervisor

Aug 2019 - Aug 2022 | Markham, Ontario

- Applied strong leadership talents and problem-solving skills to maintain team efficiency.
- Created successful work schedules for each team member to maintain deadlines and fully staff shifts.