

Hailey D'souza

Third year Software Developer dedicated to improving skills through hands-on learning and development work. Adept at using Python, JavaScript and other programming languages to produce clean code.

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

Battleship - C++

Developed a user-interface Battleship game, involving one player. The user continuously guesses the battleship's randomized location with 'x', once found the user has the option to level up or terminate the game. Each level 10 more indexes are added to the board size for the user to guess.

Connect Four - C++

Created a user-interface Connect Four game, involving two players. Used 2-D arrays to create a 7x6 board, check if indexes are empty, store players moves and identify winners.

Calendar - C++

Programmed a Calendar creator where the user is prompted two options and can see a monthly or a yearly calendar of any given year.

Tic-Tac-Toe - C++

Modified Tic-Tac-Toe game, enabling the computer to make more strategic tile placement. Used 2-D arrays to loop through and search for the best position. The computer is also programmed to block the user.

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WORK EXPERIENCE

Code Ninjas | Software Programming Instructor

Dec 2022 - Present | Markham, Ontario

- Directed software design and development to meet students needs for functionality and performance.
- Taught and promoted coding to 4+ students each class.
- Guide students weekly through game development using JavaScript.
- Updated old code bases to modern development standards, improving functionality.

Ontario Lottery & Gaming Corp | Digital Analyst

Aug 2022 - Present | Toronto, Ontario

- Streamline existing reporting processes using Python.
- Developed processes to automate tasks, enabling co-workers to 4 extra hours of FTE per week.
- Worked with developers to identify and remove software bugs.
- Obtained statistical data for ad-hoc requests by creating Python and SQL scripts.
- Attended development team training and daily meetings.

Costco | Deli Service Clerk | Cashier

May 2022 - Present | Markham, Ontario

- Preparing, packaging, and serving deli products..
- Improved operations through consistent hard work and dedication. .

June 2021 - May 2022 | Markham, Ontario

- Exceeded cashier hourly scanning goals operating at 158%

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.