Hailey D'souza

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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
haileydsouza.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.

WORK EXPERIENCE

Code Ninjas | Software Programming Instructor
Dec 2022 - Present | Markham, Ontario
- Guide students weekly through game development using JavaScript.
- Debugged and assisted students during classes.
- Taught coding to 4+ students each class.

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.