Abhin Tomar

Canadian Citizen (Toronto, ON) | Computer Science Student
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Education

University of Toronto   *Mississauga, ON*
Honors B.Sc. in Computer Science (Computer Science Specialist)   9/2021 – 5/2026 **[Expected]**

Skills

Languages:

- **Python:** Knowledge of fundamental concepts. Strong grasp of object-oriented programming, abstract data types (stacks, queues, linked lists, trees, binary search trees), algorithms, recursion
- **HTML + CSS:** knowledge of key concepts and basics of the languages including Bootstrap
- **JavaScript:** knowledge of syntax, the DOM, Node, and APIs such as Fetch

Interpersonal Skills:

- **Leadership:** Captained the high school soccer team in grade 10
- **Communication:** excellent communication skills and a great team player

School Projects

Bird Game (Python):

- Developed a bird game similar to "Flappy Bird" from scratch using **Pygame**
- Incorporated elements such as high score using text files, game menu, instructions page, gravity within the game

The MewbileTech Phone Company (Python):

- Software able to keep track of a phone company's historic customer data. The program can read in a dataset of customer calls, set geographically in Toronto, and produce a visualization of this past calling activity on a real map of the city
- Several methods and classes including the GUI were given. Incorporated methods that processed and recorded calls from the dataset
- Used knowledge of **Object-Oriented Programming** to create three child classes to calculate and record monthly bills for each customer

Huffman Tree Compression (Python):

- Software that uses **Huffman encoding** to compress any type of file (lossless compression)
- Uses the **tree abstract data type** and methods that involve **recursion** to implement Huffman's algorithm
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Hobbies and Interests

- Playing and watching sports such as soccer, basketball, tennis
- Coding in free time, solving "LeetCode" problems, learning new programming languages
- Reading books
- Swimming