What are the data structures used in daily life?

10 Data Structures Used in Daily Life   ByteByteGo.com

Data Structure	Illustration	Use Cases
List		Twitter feeds
Array	0 1 2 3	Math operations Large data sets
Stack		Undo/Redo of word editor
Queue		Printer jobs User actions in game
Heap		Task scheduling
Tree		HTML document AI decision
Suffix Tree		Search string in document
Graph		Friendship tracking Path finding
R-tree		Nearest neighbour
Hash Table		Caching systems

- ♦ list: keep your Twitter feeds
- ♦ stack: support undo/redo of the word editor
- ♦ queue: keep printer jobs, or send user actions in-game
- ♦ heap: task scheduling
- ♦ tree: keep the HTML document, or for AI decision

- ♦ suffix tree: for searching string in a document
- ♦ graph: for tracking friendship, or path finding
- ♦ r-tree: for finding the nearest neighbor
- ♦ vertex buffer: for sending data to GPU for rendering

To conclude, data structures play an important role in our daily lives, both in our technology and in our experiences. Engineers should be aware of these data structures and their use cases to create effective and efficient solutions.

Over to you: Which additional data structures have we overlooked?