



# SwapSkill

## Skill Content Summary

Category: Programmimg

Skill: Data Structures & Algorithms

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### Main Topics

- ' Introduction
  - ' Data Structure Basics
  - ' Abstract Data Types
  - ' Time and Space Complexity
  - ' Asymptotic Notations
  - ' Arrays
  - ' Strings
  - ' Linked List
  - ' Singly Linked List
  - ' Doubly Linked List
  - ' Circular Linked List
  - ' Stack
  - ' Queue
  - ' Deque
  - ' Priority Queue
  - ' Recursion
  - ' Searching Techniques
  - ' Linear Search
  - ' Binary Search
  - ' Sorting Techniques
  - ' Bubble Sort
  - ' Selection Sort
  - ' Insertion Sort
  - ' Merge Sort
  - ' Quick Sort
  - ' Hashing
  - ' Hash Tables
  - ' Trees
  - ' Binary Tree
  - ' Binary Search Tree
  - ' Heap
  - ' Graphs
  - ' Graph Traversal
  - ' BFS
  - ' DFS
  - ' Greedy Algorithms
  - ' Dynamic Programming
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