

Algorithm Design Project

Team members :

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Topics we selected

Linked-list-based data atructures

- 1)Single linked list
- 2)double linked list
- 3)Sorted single list

Array-based data structure

- 1)Stack
- 2)Queue
- 3)De-Queue

Tree-based data structure

- 1) AVL tree
- 2) B tree
- 3) Expression tree

Hash-table data structure

- 1) Binary heap
- 2) Heapify
- 3) Cuckoo hash table

Graph data structure and algorithm

- 1) Dijkstra's algorithm
- 2) Prim's algorithm
- 3) Topological sort