



Algorithm

Table of Contents

1. [Preface](#)
2. [Part I - Basics](#)
3. [Basics Data Structure](#)
 - i. [Linked List](#)
 - ii. [Binary Tree](#)
 - iii. [Binary Search Tree](#)
 - iv. [Huffman Compression](#)
 - v. [Priority Queue](#)
4. [Basics Sorting](#)
 - i. [Bubble Sort](#)
 - ii. [Selection Sort](#)
 - iii. [Insertion Sort](#)
 - iv. [Merge Sort](#)
 - v. [Quick Sort](#)
 - vi. [Heap Sort](#)
 - vii. [Bucket Sort](#)
 - viii. [Counting Sort](#)
 - ix. [Radix Sort](#)
5. [Basics Misc](#)
 - i. [Bit Manipulation](#)
 - ii. [Knapsack](#)
6. [Part II - Coding](#)
7. [String](#)
 - i. [strStr](#)
 - ii. [Two Strings Are Anagrams](#)
 - iii. [Compare Strings](#)
 - iv. [Anagrams](#)
 - v. [Longest Common Substring](#)
 - vi. [Rotate String](#)
 - vii. [Reverse Words in a String](#)
 - viii. [Valid Palindrome](#)
 - ix. [Longest Palindromic Substring](#)
8. [Integer Array](#)
 - i. [Remove Element](#)
 - ii. [Zero Sum Subarray](#)
 - iii. [Subarray Sum K](#)
 - iv. [Subarray Sum Closest](#)
 - v. [Recover Rotated Sorted Array](#)
 - vi. [Product of Array Exclude Itself](#)
 - vii. [Partition Array](#)
 - viii. [First Missing Positive](#)
 - ix. [2 Sum](#)
 - x. [3 Sum](#)
 - xi. [3 Sum Closest](#)
 - xii. [Remove Duplicates from Sorted Array](#)
 - xiii. [Remove Duplicates from Sorted Array II](#)
 - xiv. [Merge Sorted Array](#)
 - xv. [Merge Sorted Array II](#)
 - xvi. [Median](#)

9. Binary Search
 - i. Binary Search
 - ii. Search Insert Position
 - iii. Search for a Range
 - iv. First Bad Version
 - v. Search a 2D Matrix
 - vi. Find Peak Element
 - vii. Search in Rotated Sorted Array
 - viii. Find Minimum in Rotated Sorted Array
 - ix. Search a 2D Matrix II
 - x. Median of two Sorted Arrays
 - xi. Sqrt x
 - xii. Wood Cut
10. Math and Bit Manipulation
 - i. Single Number
 - ii. Single Number II
 - iii. Single Number III
 - iv. O1 Check Power of 2
 - v. Convert Integer A to Integer B
 - vi. Factorial Trailing Zeroes
 - vii. Unique Binary Search Trees
 - viii. Update Bits
 - ix. Fast Power
11. Linked List
 - i. Remove Duplicates from Sorted List
 - ii. Remove Duplicates from Sorted List II
 - iii. Remove Duplicates from Unsorted List
 - iv. Partition List
 - v. Two Lists Sum
 - vi. Two Lists Sum Advanced
 - vii. Remove Nth Node From End of List
 - viii. Linked List Cycle
 - ix. Linked List Cycle II
 - x. Reverse Linked List
 - xi. Reverse Linked List II
 - xii. Merge Two Sorted Lists
 - xiii. Merge k Sorted Lists
 - xiv. Reorder List
 - xv. Copy List with Random Pointer
 - xvi. Sort List
 - xvii. Insertion Sort List
 - xviii. Check if a singly linked list is palindrome
12. Binary Tree
 - i. Binary Tree Preorder Traversal
 - ii. Binary Tree Inorder Traversal
 - iii. Binary Tree Postorder Traversal
 - iv. Binary Tree Level Order Traversal
 - v. Maximum Depth of Binary Tree
 - vi. Balanced Binary Tree
 - vii. Binary Tree Maximum Path Sum
 - viii. Lowest Common Ancestor
13. Binary Search Tree
 - i. Insert Node in a Binary Search Tree

- ii. Validate Binary Search Tree
- iii. Search Range in Binary Search Tree
- iv. Convert Sorted Array to Binary Search Tree
- v. Convert Sorted List to Binary Search Tree
- vi. Binary Search Tree Iterator
- 14. Exhaustive Search
 - i. Subsets
 - ii. Unique Subsets
 - iii. Permutation
 - iv. Unique Permutations
 - v. Next Permutation
 - vi. Previous Permutation
 - vii. Unique Binary Search Trees II
 - viii. Permutation Index
 - ix. Permutation Index II
 - x. Permutation Sequence
 - xi. Palindrome Partitioning
- 15. Dynamic Programming
 - i. Triangle
 - ii. Backpack
 - iii. Minimum Path Sum
 - iv. Unique Paths
 - v. Unique Paths II
 - vi. Climbing Stairs
 - vii. Jump Game
 - viii. Word Break
 - ix. Longest Increasing Subsequence
 - x. Palindrome Partitioning II
 - xi. Longest Common Subsequence
 - xii. Edit Distance
 - xiii. Jump Game II
 - xiv. Best Time to Buy and Sell Stock
 - xv. Best Time to Buy and Sell Stock II
 - xvi. Best Time to Buy and Sell Stock III
 - xvii. Best Time to Buy and Sell Stock IV
 - xviii. Distinct Subsequences
 - xix. Interleaving String
- 16. Problem Misc
 - i. Nuts and Bolts Problem
- 17. Appendix I Interview and Resume
 - i. Interview
 - ii. Resume

Data Structure and Algorithm/leetcode/lintcode

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Introduction

This work is some notes of learning and practicing data structures and algorithm.

1. Part I is some brief introduction of basic data structures and algorithm, such as, linked lists, stack, queues, trees, sorting and etc.
2. Part II is the analysis and summary of programming problems, and most of the programming problems come from <https://leetcode.com/> and <http://www.lintcode.com/>.
3. Part III is the appendix of resume and other supplements.

This project is hosted on <https://github.com/billryan/algorith-exercise> and rendered by [Gitbook](#). You can star the repository on the GitHub to keep track of updates. RSS feed is under development.

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- [] add multiple languages support, currently [繁體中文](#), [简体中文](#) are available

- [] explore nice writing style
 - [] add implementations of Python, C++, Java regarding leetcode/lintcode OJ platform
 - [] add time and space complexity analysis
 - [] summary of basic data structure and algorithm
 - [x] add CSS for online website <http://algorithm.yuanbin.me>, yahei plugin works well
 - [x] add proper Chinese fonts for PDF output
-

简介

本文档为数据结构和算法学习笔记，全文大致分为以下三大部分：

1. Part I 为数据结构和算法基础，介绍一些基础的排序/链表/基础算法
2. Part II 为 OJ 上的编程题目实战，按题目的内容分章节编写，主要来源为 <https://leetcode.com/> 和 <http://www.lintcode.com/>.
3. Part III 为附录部分，包含如何写简历和其他附加材料

本文参考了很多教材和博客，凡参考过的几乎都给出明确链接，如果不小心忘记了，请不要吝惜你的评论和issue :)

本项目托管在 <https://github.com/billryan/algorithm-exercise> 由 Gitbook 渲染生成 HTML 页面。你可以在 GitHub 中 star 该项目查看更新，RSS 种子功能正在开发中。

你可以在线或者离线查看/搜索本文档，以下方式任君选择~

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- 离线阅读：推送到GitHub后会触发 travis-ci 的编译，相应的部分编译输出提供 GitHub 和 GitCafe 下载。
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- [] 完善 leetcode/lintcode 部分 C++ , Java , Python 三大语言的实现
- [] 加入时间/空间复杂度分析
- [] Part I 部分数据结构和算法基础知识的总结
- [x] 完善在线版本 <http://algorithm.yuanbin.me> 的 CSS, 使用 yahei 插件初步达到目标
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Part I - Basics

Data Structure
