



# Algorithm

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# 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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- [ ] 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
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## Part I - Basics

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# Data Structure

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