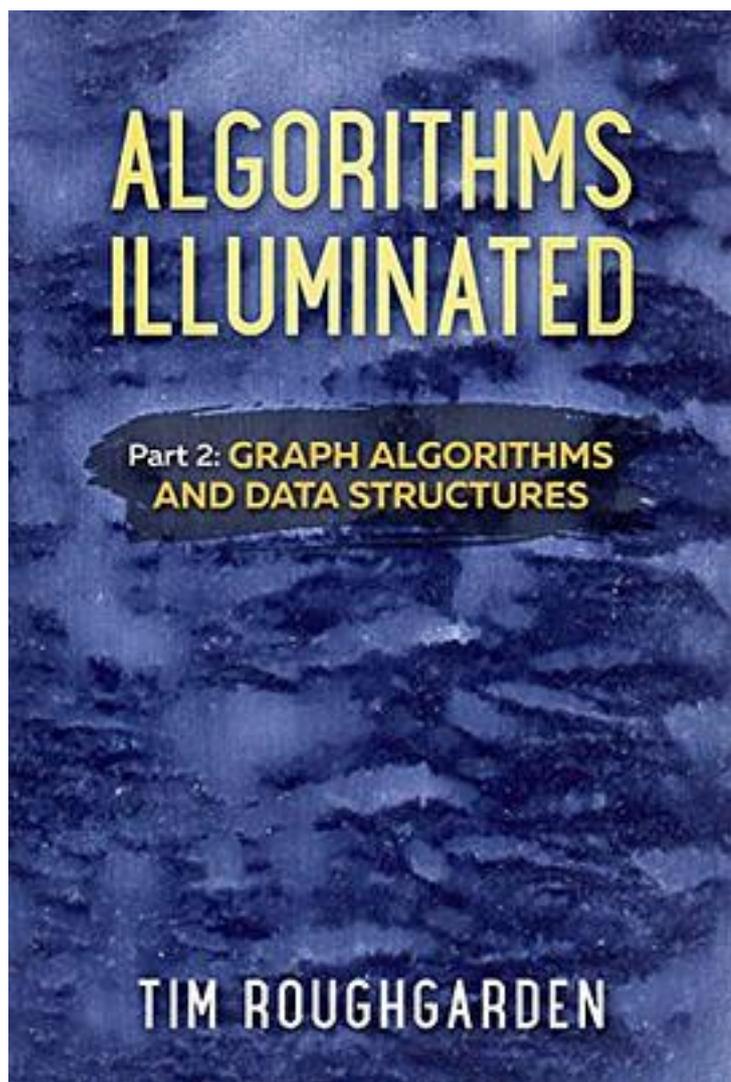


# Algorithms Illuminated (Part 2)



[Algorithms Illuminated \(Part 2\) 下载链接1](#)

著者:Tim Roughgarden

出版者:Soundlikeyourself Publishing, LLC

出版时间:2018-8-5

装帧:Paperback

isbn:9780999282922

Algorithms are the heart and soul of computer science. Their applications range from network routing and computational genomics to public-key cryptography and machine learning. Studying algorithms can make you a better programmer, a clearer thinker, and a master of technical interviews. Algorithms Illuminated is an accessible introduction to the subject for anyone with at least a little programming experience. The exposition emphasizes the big picture and conceptual understanding over low-level implementation and mathematical details---like a transcript of what an expert algorithms tutor would say over a series of one-on-one lessons. The book includes solutions to all quizzes and selected problems, and a series of YouTube videos by the author accompanies the book. Part 2 of this book series covers graph search and its applications, shortest-path algorithms, and the applications and implementation of several data structures: heaps, search trees, hash tables, and bloom filters.

作者介绍:

Tim Roughgarden is a Professor of Computer Science and (by courtesy) Management Science and Engineering at Stanford University, where he has taught and researched algorithms since 2004. This book is the second of a four-part series based on his online algorithms courses that have been running regularly since 2012.

目录:

[Algorithms Illuminated \(Part 2\) 下载链接1](#)

标签

算法

数据结构

计算机科学

Algorithm

2018

评论

我觉得写得很一般，特别是heap和dijkstra那部分，逻辑混乱，乱七八糟，给3星吧。

-----  
写的真的是很详细了，很多我自己好不容易思考明白的问题这里都很清晰简洁的写出来了...比如之前一直不明白为什么kosaraju第二遍的dfs为什么不能在原图上用逆序的原因——》因为topo order在DAG和directed cyclic graph有不一样的property...良心之作

-----  
[Algorithms Illuminated \(Part 2\) 下载链接1](#)

书评

-----  
[Algorithms Illuminated \(Part 2\) 下载链接1](#)