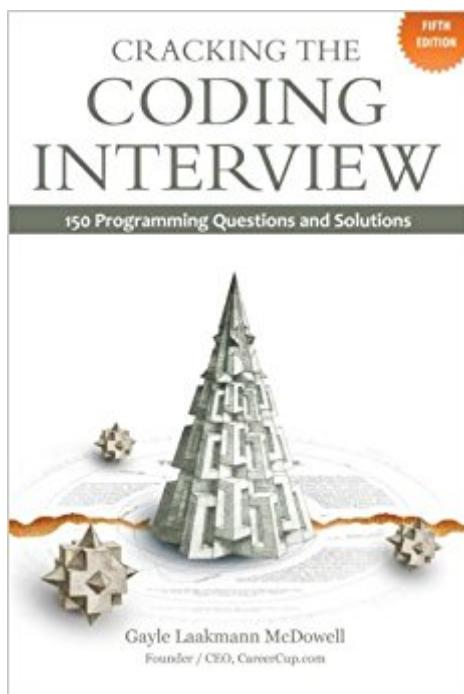


The book was found

Cracking The Coding Interview: 150 Programming Questions And Solutions



Synopsis

Now in the 5th edition, Cracking the Coding Interview gives you the interview preparation you need to get the top software developer jobs. This is a deeply technical book and focuses on the software engineering skills to ace your interview. The book is over 500 pages and includes 150 programming interview questions and answers, as well as other advice. The full list of topics are as follows:

The Interview Process This section offers an overview on questions are selected and how you will be evaluated. What happens when you get a question wrong? When should you start preparing, and how? What language should you use? All these questions and more are answered.

Behind the Scenes Learn what happens behind the scenes during your interview, how decisions really get made, who you interview with, and what they ask you. Companies covered include Google, , Yahoo, Microsoft, Apple and Facebook.

Special Situations This section explains the process for experience candidates, Program Managers, Dev Managers, Testers / SDETs, and more. Learn what your interviewers are looking for and how much code you need to know.

Before the Interview In order to ace the interview, you first need to get an interview. This section describes what a software engineer's resume should look like and what you should be doing well before your interview.

Behavioral Preparation Although most of a software engineering interview will be technical, behavioral questions matter too. This section covers how to prepare for behavioral questions and how to give strong, structured responses.

Technical Questions (+ 5 Algorithm Approaches) This section covers how to prepare for technical questions (without wasting your time) and teaches actionable ways to solve the trickiest algorithm problems. It also teaches you what exactly "good coding" is when it comes to an interview.

150 Programming Questions and Answers This section forms the bulk of the book. Each section opens with a discussion of the core knowledge and strategies to tackle this type of question, diving into exactly how you break down and solve it. Topics covered include

- **Arrays and Strings**
- **Linked Lists**
- **Stacks and Queues**
- **Trees and Graphs**
- **Bit Manipulation**
- **Brain Teasers**
- **Mathematics and Probability**
- **Object-Oriented Design**
- **Recursion**
- **Dynamic Programming**
- **Sorting and Searching**
- **Scalability and Memory Limits**
- **Testing**
- **C and C++**
- **Java**
- **Databases**
- **Threads and Locks**

For the widest degree of readability, the solutions are almost entirely written with Java (with the exception of C / C++ questions). A link is provided with the book so that you can download, compile, and play with the solutions yourself.

Changes from the Fourth Edition: The fifth edition includes over 200 pages of new content, bringing the book from 300 pages to over 500 pages. Major revisions were done to almost every solution, including a number of alternate solutions added. The introductory chapters were massively expanded, as were the opening of each of the chapters under Technical Questions. In addition, 24 new questions were

added. *Cracking the Coding Interview, Fifth Edition* is the most expansive, detailed guide on how to ace your software development / programming interviews.

Book Information

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Customer Reviews

I am not a recruiter. I am a software engineer. And as such, I know what it's like to be asked to whip up brilliant algorithms on the spot, and then write flawless code on a whiteboard. I know because I've been asked to do the same thing--in interviews at Google, Microsoft, Apple, and , among other companies.I also know because I've been on the other side of the table, asking candidates to do this. I've combed through stacks of resumes to find the engineers who I thought might be able to actually pass these interviews. And I've debated in Google's Hiring Committee whether or not a candidate did well enough to merit an offer. I understand and have experienced the full hiring circle.And you, reader, are probably preparing for an interview, perhaps tomorrow, next week, or next year. You likely have or are working towards a Computer Science or related degree. I am not here to re-teach you the basics of what a binary search tree is, or how to traverse a linked list. You already know such things, and if not, there are plenty of other resources to learn them.This book is here to help you take your understanding of Computer Science fundamentals to the next level, to help you apply those fundamentals to crack the coding interview. Because while the fundamentals are necessary to land one of the top jobs, they aren't always enough. For countless readers, this book has been just what they needed.Â

Gayle Laakmann McDowell is the founder / CEO of CareerCup.com and the author of The Google Resume: How to Prepare for a Career and Land a Job at Apple, Microsoft, Google, or any Top Tech Company. Work Experience Her interviewing expertise comes from vast experience on both sides of the desk. She has completed Software Engineering interviews with - and received offers from - Microsoft, Google, , Apple, IBM, Goldman Sachs, Capital IQ, and a number of other firms. Of these top companies, she has worked for Microsoft, Apple and Google, where she gained deep insight into each company's hiring practices. Most recently, Gayle spent three years at Google as a Software Engineer and was one of the company's lead interviewers. She interviewed over 120 candidates in the U.S. and abroad, and, as a software engineer, led much of the recruiting for her alma mater, the University of Pennsylvania. Additionally, she served on Google's Hiring Committee, where she reviewed each candidate's feedback and made hire / no-hire decisions. She assessed over 700 candidates in that role, and evaluated hundreds more resumes. Education Gayle holds a bachelor's and master's degree in Computer Science from the University of Pennsylvania and MBA from The Wharton School.

I own both her books, this one, and the PM Interview. This one is Great, has many many good pointers for going in to relatively any kind of technical, managerial, or leadership position. Good review of the Algorithms, and good to know what the companies are looking for & expecting you to know... Except for maybe the guidance on being able to write a complete complex program, without any errors, (logic or syntax) and it being able to run the first time, perfectly... I've been doing software 15 years, and another 20 years in the military in High Tech Avionics... Her one expectation there is rather ridiculous, to say the least.... That would be synonymous with asking a test pilot to demonstrate how to take off or land his aircraft safely, without consulting the checklist....

I bought this from CheapestStore2014, and the content is printed on really cheap paper. I mean, whatever works. I can still read it, but it's not as high quality as the full price ones. You get what you pay for. Looking at this will at least give you an idea of what to expect from your interviews.

Great book that helped me land the job I wanted! It has plenty of review and practice problems to help keep your skills fresh, and it goes over the basics of data structures, orders of complexity, etc. I think the thing that sets this book apart is the interview preparation guidelines. It lays out the best way to prepare whether you are years away from interviewing or just a few days. It also gives insight into what leading tech companies look for in applicants. Again, great resource. If you're about to

graduate from school, or are in between jobs, grab this. It works for anyone at any level.

There is lots of information here for interviews and prepare you really well.

The book is very true to the nature of technical interview, not too broad or too focus on any topics. It exposes you to all the important ones that the interviewers would expect you to know. Although the book doesn't provide the implementation code for some data structures, you should be able to do them on your own. Some questions during the interview come straight from it. Others are very similar. Once you study this book, you will be fully prepared to handle any questions on the interview. Some of my friends found this book not as helpful because they only glance over it. My suggestion would be to READ IT PAGE BY PAGE AND DO WHAT SHE SAID! Try to think hard on the problem before flipping to the solutions. Write it out on the paper and compare your approach with the answer. Always think "is there a better approach for this question?" and you will master the interview. If you have only a week or two to prepare for the interview at a large tech company, you can do it! This book will save your life, just like it saved mine. Thank you so much, Gayle!!! I recommended it to all my friends.

This book was an extremely helpful and solid resource when graduation and looking for a job. The key to this book isn't memorization of the solutions to the problems, but the WAY to solve the problems and how to think about them. I highly suggest this book (it has newer editions, so look at those) for anyone who wants to improve how they approach and solve problems. Absolutely worth it.

Very useful for brushing up your programming skills. It gives great insight into the hiring processes of several big-shot companies and contains a huge amount of realistic programming questions.

This is a very comprehensive book targeting specifically on succeeding in coding interviews. The book does a great job covering all sorts of topics that interviewers may test you on. I believe it is a great way to study and point you to where you may want to proceed more in depth about a certain topic. One of great aspects of the book is the tremendous amount of questions for you to practice. The answers are often given in a step-by-step way so as to help you develop the "process" of coming up with the answer. Along with the technical interview section, the book also prepares you for "HR" type questions that you will also encounter in interviews. Furthermore, the book gives you

general tips on coding habits that interviewers are looking for, negotiating salaries, career goals...etc. The book is a fantastic way to train yourself and gives you the confidence to tackle these programming interviews. Pick it up now!!!

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