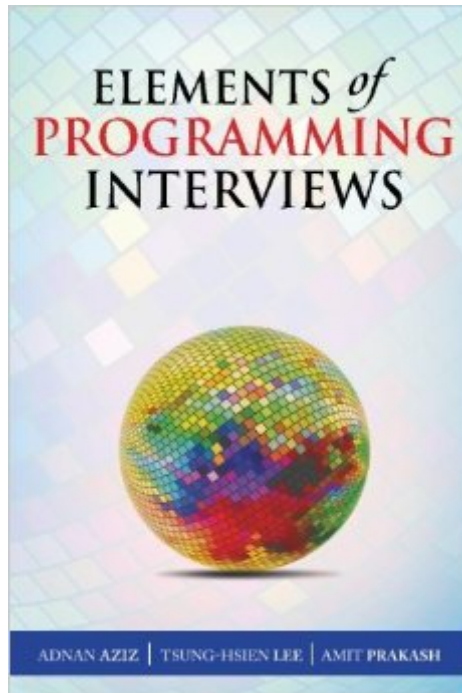


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# Elements Of Programming Interviews: The Insiders' Guide



## Synopsis

The Java version of EPI is available on ! Search for Elements of Programming Interview in Java, or use the short link bit.ly/epijava This is the C++ version. Before you buy this book, please first head over to our sample page - [elementsofprogramminginterviews.com/sample](http://elementsofprogramminginterviews.com/sample) The sampler should give you a very good idea of the quality and style of our book. In particular, be sure you are comfortable with the level and with our C++ coding style. Solutions include code snippets which are primarily in C++. Programs concerned with concurrency are in Java. Complete programs are available at [epibook.github.io](http://epibook.github.io). Java versions of the C++ programs in the book can be found at the website. Since different candidates have different time constraints, EPI includes a study guide with several scenarios, ranging from weekend Hackathon to semester long preparation with a recommended subset of problems for each scenario. All problems are classified in terms of their difficulty level and include many variants to help you apply what you have learned more widely. All problems includes hints for readers who get stuck. This simulates what you will face in the real interview. The version being sold by itself is always current. Some resellers may have older versions, especially if they sell used copies.

## Book Information

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## Customer Reviews

I worked with the data science association on their new standards for "Data Scientist" interviews (entry salary of \$125,000), and both real questions and after interview polls were included for the biggest names in data today, from the web to corporate and government IT. "Data Scientist" is one

of the hottest new jobs out there today, and some companies are even forming CDSO jobs--Chief Data Science Officer! To begin, ALL FOUR of the books in this review are 5 star "superstars" for IT interviews. The two problems are, my library customers want to know the top two, and our shoppers want to know if they can get away with one, two, three, or if they have to buy all four! Of course the answer depends both on the focus of your resume, and the overlap/focus in the four books. First, the summary, by author, title/ link, year published/edition, number of pages, trim and cost, problems included, main language(s) foci. These four are the most frequently purchased by the over 100,000 libraries (including corporate technical libraries and schools as well as private and public) in our database. (Note: page counts are via visual inspection at the time of this writing, not stats. Pages can vary with on-demand books.). Aziz,

I am a Computer Science graduate. A friend of mine recommended it to me after he got offers from MSFT and FB by using the book. I have used the book for a while now, and I think I can give some information to help other readers to make a good decision. Basically this book contains a set of programming problems to warm you up for a job interview. There are many other job hunting books too, so what makes this one special? I would say it has the following advantages:

0. Smart algorithms and solutions. Better than many other resources you could find.
1. Challenging problems, making it useful for preparing top companies interviews.
2. Source code website. We can actually run the code and compare it with ours. Often, I first write my own program and test it with their driver program.
3. High quality C++11 code with very few bugs. It helped me to refine my coding skills and styles.
4. Study guide. Very helpful for iterative studying.
5. Book chapter organization. It is both detailed and close to complete.
6. Good coverage of recent algorithms.

Let me elaborate a bit. Taking item 0, Smart algorithm and solutions as an example: If you have prepared for job interviews just a bit, you may know there is a frequent question for "designing a Stack with Max/Min operations". I solved the problem by myself and after comparing my solution with other resources, I thought mine is optimal - until I saw the solution from this book. It is more space efficient by storing the frequency information. Another example is the "Permutation Problem". Before I read the book, I already had a decent solution. But the "swap based" solution in this book is simply more elegant and more flexible for solving other problems.

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