Taking on the Technical Interview

Interview training with Google, Pinterest, and Stanford
Preparing for interviews
Technical interview

Coding
Data structures and algorithms
Theory
Testing
Design
DO YOU EVEN LIFT?
Practice, practice, practice

software engineering interview questions

About 3,790,000 results (0.62 seconds)
Listen to your interviewer

Pick your programming language carefully. Know common libraries.

There are usually multiple correct answers. Take the time to think. Pick carefully.

Style doesn't matter except when it confuses you

Use decomposition

Test your own code, think about edge cases
Data structures and Algorithms

Arrays
Lists
Trees
Hashtables
Graphs
Heaps
Stacks
Queues

Various sorting algorithms
Tree traversals
Recursion
Dynamic programming
Dijkstra's algorithm
Traveling salesperson
Theory

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Testing
Testing


Testing for coding

Test your own code!
Be systematic about test cases
Edge cases, extreme cases, random testing
Re-evaluate your code

Testing-specific questions

Types of testing
Mocks/stubs/fakes
Test design
Large scale testing
Design

Start with a naive implementation
There is no one right answer. There isn’t one best algorithm. Make it clear that you are analyzing the tradeoffs.
Ask a lot of questions.
Focus a bit on the numbers. Analyze the scale of the problem.
Don’t worry if you don’t finish.
Non-technical tips

Asking questions to clarify the problem

Verbalizing your thought process

Make sure you’re justifying (and vocalizing) your assumptions

Have some questions prepared for your interviewer — just don’t ask about how you did.

It’s better to say something wrong than to say nothing
Me: "How is it we assume that Dinosaurs just roared, they could have talked like us, right?"

Interviewer: "I meant questions about the job"
Practice!
Practice Questions: Round 1

Freshmen / Sophomores: https://goo.gl/vU02Be

Juniors / Seniors: https://goo.gl/sslI1z
Practice Questions: Round 2

Freshmen / Sophomores: https://goo.gl/XoEDWX

Juniors / Seniors: https://goo.gl/xW4c45