

GOOGLE INTERVIEW

Interview experience

- Technical phone interview
- Onsite interviews/digitals
- Offer
- 6-8 Weeks, pretty slow compared to other companies

Phone Interview

- 5 minute introductions/resume
- 35 minute technical assessment
- 5 min closing questions

Technical engineering skills

- Data structures and algorithms - do you have a strong foundation in the basics?
- Code understanding - did you verify your code and can explain its usage?
- Problem solving and analytical skills - How did you analyze and think through the problem?
- Communication -

Categories of Questions

- Coding
 - Language of your choice
 - Methods
 - Classes
- Algorithms
 - Sorting
 - Searching
 - Graphs
 - Big-0-analysis
 - Recursion
- Data Structures
 - Lists
 - Stacks and queues
 - Trees and graphs
 - Sets
 - Hashes and maps
 - Heaps

Communication and presentation

- Restate the questions and confirm your understanding
- Asking clarifying questions
- Think about
- Listen to interviewer
 - They are trying to help you

How to prepare before your interview

- Review the fundamentals
 - Algorithms, data structures and complexity
- Practice your strongest coding language
 - Recruiter will typically ask for preferred language
 - Not just pseudo code
- Practice in a shared doc with a friend or on a whiteboard
 - Get used to thinking out loud and describe your approach

Common mistakes

1. Immediately jumping into code
 - a. This is bad because getting to the solution is more important than getting the solution
 - b. They have no idea if you are going down a dead end or not
2. Not testing or running through an example
 - a. DO DISCUSS TESTING VERBALLY FIRST
 - b. Do pick a simple example
 - c. Do think about an edge case or two
 - d. Do analyze complexity
 - e. DON'T FORGET TO TEST CODE AND WASTE TOO MUCH TIME RUNNING
3. Not writing real code
 - a. Pseudocode is ok
 - b. Do use helper functions after discussing with your interviewer
 - c. Don't use pseudocode in your solution
 - d. Don't mix the both
4. Force fitting a solution
 - a. Do draw from experience and practice problems
 - b. HACKERRANK, leetcode
 - c. Don't assume we asking you to regurgitate a known solution we saw in class
5. Premature optimization
 - a. Do you think rically about the algorithmic complexity of your solution

- b. Do explain why you think it or isn't possible to improve complexity
- c. Do analyze

THINK ABOUT DATA STRUCTURES

Aarushi

- Use to work in los angeles
- Now san bernardino
- App academy
- BS in BioChemistry
- Took one course in JAVA

Magdalena

- 2019 joined
- Graduated boot camp in 2018
- Stayed on teaching cohort

Site to use

- top coder
- hacker rank
- leet code
- Codewars

Resources for Technical Interview

- The recruiter would send some resources
- Leetcode
- Cracking the coding interview -book
- Algoexpert - not free but good
- Interviewcake
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