# Resources for interview preparation:

Roadmap:

<https://www.codinginterview.com/interview-roadmap>

## Coding

1. **AlgoExpert** - <https://www.algoexpert.io/>
2. **GeekForGeeks** - <https://practice.geeksforgeeks.org/batch/dsa-4>
3. Leetcode - <https://leetcode.com/>
4. Cracking the coding interview - <http://www.crackingthecodinginterview.com/>
5. <https://skillcrush.com/blog/rock-your-next-whiteboard-test/>
6. <https://app.codesignal.com/profile/gunjanmodi>
7. <https://www.codinginterview.com/>
8. <https://github.com/30-seconds/30-seconds-of-python>

## System Design

1. **AlgoExpert System Fundamentals** - <https://www.algoexpert.io/systems/fundamentals>
2. **Grokking the system design interview** - <https://www.educative.io/courses/grokking-the-system-design-interview>
3. <https://github.com/binhnguyennus/awesome-scalability>
4. <https://github.com/puncsky/system-design-and-architecture>
5. <https://get.interviewready.io/courses/system-design-interview-prep>
6. Awesome Database Learning - <https://github.com/pingcap/awesome-database-learning>
7. System Design Primer - <https://github.com/donnemartin/system-design-primer>
8. Highscalability - <http://highscalability.com/>
9. Design Patterns for the software architectural patterns: <https://towardsdatascience.com/10-common-software-architectural-patterns-in-a-nutshell-a0b47a1e9013>
10. Topics - <http://www.aosabook.org/en/distsys.html>
11. <https://github.com/shashank88/system_design>
12. <https://github.com/sid24rane/System-Design-Interview-Questions>
13. <https://github.com/DreamOfTheRedChamber/system-design>

## Object Oriented Design

<https://www.educative.io/collection/5668639101419520/5692201761767424>

## Important Github Repositories

1. <https://github.com/mister0/How-to-prepare-for-google-interview-SWE-SRE>
2. <https://github.com/pakistani-women-in-computing/coding-interview-resources/blob/master/google-interview-preparation.md>
3. <https://github.com/partho-maple/coding-interview-gym>
4. <https://github.com/MaximAbramchuck/awesome-interview-questions>
5. <https://learn-anything.xyz/programming/programming-interview-preparation>
6. <https://github.com/rohan-paul/Awesome-JavaScript-Interviews>
7. <https://github.com/alinebastos/dev-practice>

## Soft Skills

1. <https://www.codinginterview.com/>
2. <https://github.com/cassidoo/getting-a-gig>

## HR and Negotiation

## Other Link:

<https://www.quora.com/Can-I-prepare-for-system-design-interview-questions-in-10-days>

<https://github.com/donnemartin/haxor-news#view-all-comments>

# Whiteboard Interview

## What should I do now

Practice, practice, practice.

**Get a whiteboard, pick a problem and talk out-loud to the air and write, do that a lot.**

Practice the whiteboard interview, learn the routine. Your routine, any routine. Learn it like a song on the guitar, a card trick or whatever dangerous stunt with your skate.

You need to prepare a speech, it’s like a presentation.

It’s like a presentation with variables.

A variable is the problem.

I’ll go like this:

* I’ll spend some time analysing the requirements (1 min)
* I’ll formulate questions if necessary and get answers (3 min).
* I’ll pause and think of a direction to take (few min, don’t be afraid to stay silent for a while).
* I will propose initial solutions and get feedback from the interviewers (5 min).
* I will pause again and choose a solution (2 min).
* I will write pseudocode (5 min)
* I will test my pseudocode (5 min)
* I’ll finish by transforming the pseudocode into actual code. (until necessary)
* In around 30 min I will have solved the problem in a enjoyable and ordinated way.

## Books:

* Cracking the coding interview
* Introduction to Algorithms
* [Programming](https://hackernoon.com/tagged/programming) Interviews Exposed
* Clean code
* Algorithm Design Manual
* How to Think About Algorithms
* Programming Pearls
* Data Structures And Algorithms Made Easy In Java 2nd Edition 2nd Edition

## Websites:

* InterviewBit
* HackerRank
* Codewars
* Codefights
* AlgoExpert
* CarrerCup
* Interview Cake
* LeetCode
* Geeks for geeks
* Pramp
* HackerEarth
* HiredInTech

## Courses:

* Coderust 2.0