

Surviving the Technical Interview Roadmap



Assessment Sites

- ❑ <http://www.i-programmer.info/news/150-training-a-education/7554-self-assessment-for-programmers.html>
- ❑ Programming Proficiency Test: <http://science.raphael.poss.name/programming-levels.html>
- ❑ <http://lazyquestion.com/>

Strengthen

Books

- Clean Code: A Handbook of Agile Software Craftsmanship 1st Edition by Robert C. Martin
- Introduction to Algorithms, 3rd Edition, MIT Press
- Design Patterns: Elements of Reusable Object Oriented Software by Erich Gamma & Richard Helm
- The Pragmatic Programmer: from Journeyman to Master by Andrew Hunt & David Thomas
- Code Complete 2: A Practical Handbook of Software Construction by Steve McConnell
- Grokking Algorithms: An Illustrated Guide for Programmers & Other Curious People, Aditya Bhargava
- Programming Pearls: Jon Bentley
- The Mythical Man-Month: Essays on Software Engineering by Frederick Brooks
- Refactoring to Patterns by Joshua Kerievsky

Links for Foundational knowledge

- ❑ Studying the foundation for Technical Interviews <https://www.hiredintech.com/>
- ❑ Cheat Sheet; <https://gist.github.com/TSiege/cbb0507082bb18ff7e4b>
- ❑ Big O Notation: <http://bigochaatsheet.com/>

Scalability

- ❑ High Scalability <http://highscalability.com/>

Dynamic Programming

- ❑ <https://www.topcoder.com/community/data-science/data-science-tutorials/dynamic-programming-from-novice-to-advanced/>

System Design:

- ❑ <http://blog.gainlo.co/index.php/category/system-design-interview-questions/>

Blogs

- ❑ StackOverflow
- ❑ Blog.thefirehoseproject.com

Bootcamps:

- ❑ Thinkful.com

Videos:

- ❑ Big O <https://www.youtube.com/watch?v=v4cd1O4zkGw>
- ❑ Whiteboarding: <https://www.youtube.com/watch?v=zIS31BAL-g>
- ❑ Gayle Laakmann McDowell on Whiteboarding:
<https://www.youtube.com/watch?v=aClxtDcdpsQ>

Online Courses

- ❑ MIT Open Courseware
- ❑ [Stanford Open Classroom](#)
- ❑ Coursera
- ❑ Udemy
- ❑ Udacity
- ❑ Codecademy
- ❑ Khanacademy
- ❑ Egghead.io
- ❑ Linda.com
- ❑ Thefirehoseproject.com
- ❑ [GeeksForGeeks](#)

Practice

Sites

- ❑ <https://code.google.com/codejam/>
- ❑ <https://www.topcoder.com/>
- ❑ <http://www.hackerrank.com>
- ❑ <http://thecodeplayer.com/>
- ❑ <https://code.google.com/codejam/>
- ❑ <https://www.topcoder.com/>
- ❑ <http://www.hackerrank.com>
- ❑ <http://thecodeplayer.com/>
- ❑ <https://www.codewars.com/>
- ❑ <https://www.codementor.io/>
- ❑ <http://exercism.io/>
- ❑ <http://www.programmr.com/>
- ❑ <https://codility.com/programmers/>

Books

- ❑ Programming Interviews Exposed: Secrets to Landing Your Next Job
- ❑ Cracking the Coding Interview: Gayle Laakmann McDowell

Polish		
Whiteboarding Practice		
Mock Interviews	interviewing.io https://leetcode.com/ http://www.gainlo.co/#!/ https://www.interviewbit.com/	
The Interview		
Sample Questions to Ask	<ol style="list-style-type: none"> 1. What is the corporate culture? 2. What makes your company better than your competitors? 3. Who are your customers? (both internal and external) 4. What does the development cycle look like? 5. Is there a formal QA process? 6. Is there a formal onboarding process? 7. Who manages product initiatives? 8. How are projects assigned? 9. What major challenges are you facing? 10. What could I help to improve most? 11. What are the most important skills necessary for this job? 12. How would you define success in this role? 13. Tell me about your product, methods, etc 14. How will they train you/develop you? 15. Size of team, how long they've been together? 16. What is their tech stack? 17. What does a typical work day/week look like? 18. Do you work weekends? How many hours? 19. Is there travel involved in this job? How much? 20. What is the team like? What is the manager like? 21. What are the team's greatest strengths & weaknesses? 22. Do you have any questions about my ability to do this job? 23. What are the next steps in the selection process? 	
If Startup...	<ol style="list-style-type: none"> 1. What round of funding are they on? 2. What type of investors do they have? 3. Where are they in the product lifecycle? 4. Who are their competitors? 5. How is work assigned? 6. What will be the job responsibilities? 	