

# 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.rafael.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
- The Pragmatic Programmer
- Code Complete 2
- Grokking Algorithms
- Programming Pearls
- The Mythical Man Month
- Refactoring to Patterns

### 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

- ❑ <http://highscalability.com/>
- ❑ The complete guide to Google Interview Prep:  
<http://blog.gainlo.co/index.php/category/google-interview-preparation/>

## 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/>

## Bootcamps:

- ❑ <https://www.thinkful.com/>

## Online Courses

- ❑ [MIT Open Courseware](#)
- ❑ Coursera
- ❑ Udemy
- ❑ Udacity
- ❑ Codecademy
- ❑ Khanacademy
- ❑ Egghead.io
- ❑ Linda.com
- ❑ [www.thefirehoseproject.com](http://www.thefirehoseproject.com)

## Blogs

- ❑ StackOverflow
- ❑ [Blog.thefirehoseproject.com](http://Blog.thefirehoseproject.com)

## 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/>
- ❑ <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

## Polish

Whiteboarding Practice

Mock Interviews

[interviewing.io](https://interviewing.io)  
<https://leetcode.com/>  
<http://www.gainlo.co/#!/>  
<https://www.interviewbit.com/>

## The Interview

Sample Questions to Ask

- What is the corporate culture?
- What does the development cycle look like?
- Is there a formal onboarding process?
- Who manages product initiatives?
- How are projects assigned?
- What could I help to improve most?
- What are your pet peeves?
- Tell me about your product, methods, etc
- How will they train you/develop you?
- Size of team, how long they've been together?
- What is their tech stack
- Toughest problems company or team is tackling now

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## Web References

### References: Diversity in Tech

<https://www.theverge.com/2015/8/20/9179853/tech-diversity-scorecard-apple-google-microsoft-facebook-intel-twitter-amazon>

<https://www.recode.net/2017/8/7/16108122/major-tech-companies-silicon-valley-diversity-women-tech-engineers>

<https://www.amazon.com/b?node=10080092011>

### References: the Phone Interview

<http://work.chron.com/nail-phone-interview-9112.html>

<https://csmasters.uchicago.edu/page/technical-interviews-technical-test-phone-interview>

### References: Overcoming Fear

[https://www.ted.com/talks/jia\\_jiang\\_what\\_i\\_learned\\_from\\_100\\_days\\_of\\_rejection#t-790508](https://www.ted.com/talks/jia_jiang_what_i_learned_from_100_days_of_rejection#t-790508)

[https://www.ted.com/playlists/468/how\\_to\\_overcome\\_your\\_fears](https://www.ted.com/playlists/468/how_to_overcome_your_fears)

<https://www.psychologytoday.com/collections/201106/overcoming-fear>

### References: Preparing for the Technical Interview

<https://hired.com/blog/candidates/how-to-effectively-prepare-for-technical-interviews/>

<https://www.glassdoor.com/blog/technical-interview-tips/>

<https://www.monster.com/career-advice/article/ten-tech-it-interview-errors>

<https://www.quora.com/What-are-fundamentals-you-should-know-before-a-technical-interview>

<http://firstround.com/review/The-anatomy-of-the-perfect-technical-interview-from-a-former-Amazon-VP/>

<https://careerconnect.engineering.uiowa.edu/blog/2017/06/01/what-you-need-to-know-to-ace-your-technical-interview/>

## Behavioural Questions

<https://www.thebalance.com/top-behavioral-interview-questions-2059618>

Top 30 Behavioral Questions

<https://www.themuse.com/advice/30-behavioral-interview-questions-you-should-be-ready-to-answer>