

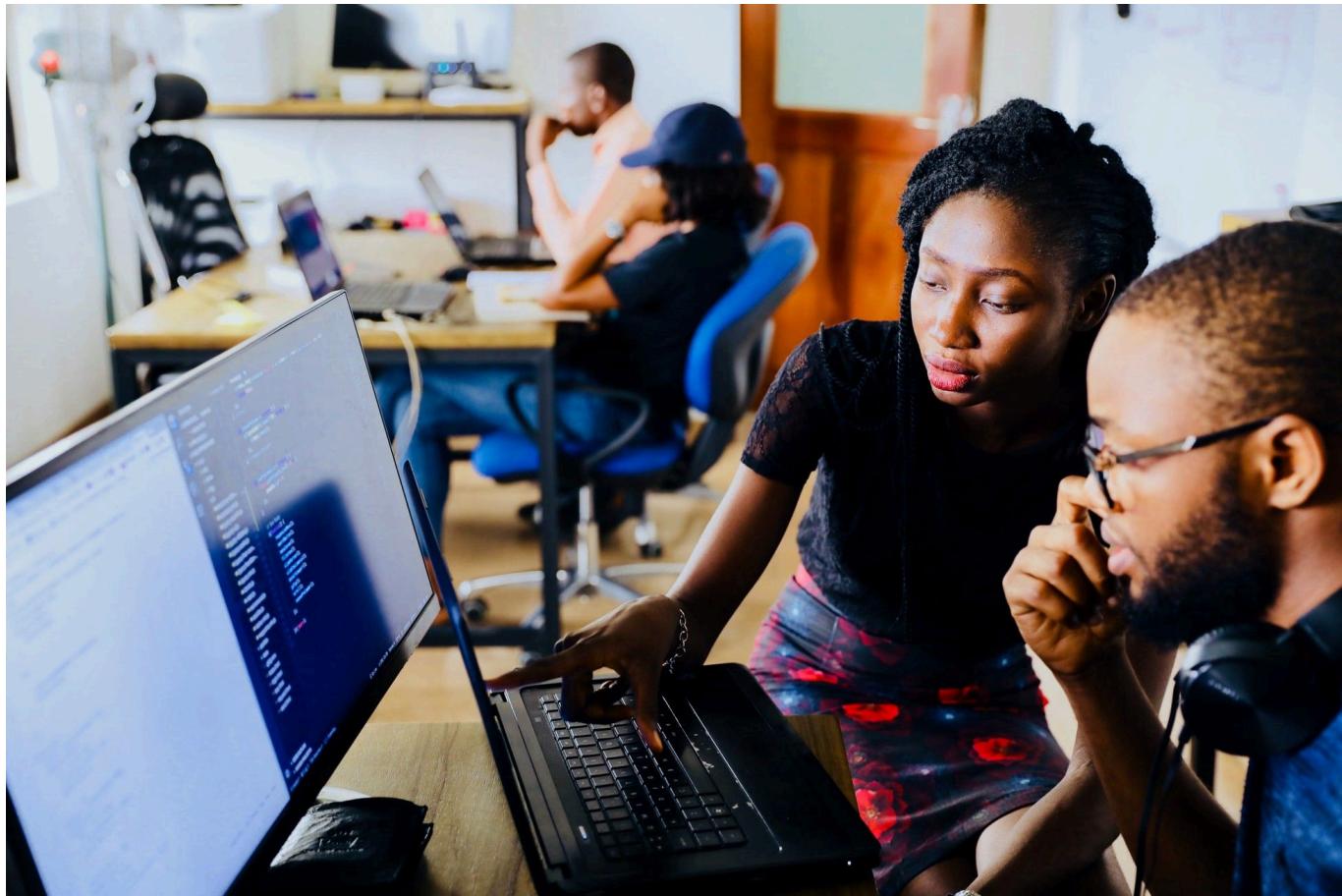
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The 8 Best Coding Challenge Websites to Help You Level Up Your Skills in 2020



Daniel Borowski



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analysts expect technology hiring to continue growing steadily into the 2020s.

That's great news for recent computer science graduates and developers currently working in the field, but that doesn't mean ambitious engineers can get complacent.

While there will likely be growth opportunities in the market overall, there are still significant changes happening all the time, and a sense of urgency to keep up with the latest trends.

Today, there are more types of technical roles than ever before, and a continued proliferation of new languages, frameworks, and technologies. Technical employees that want to get ahead should routinely test and refine their skills.

To that end, I've put together the following list of platforms where you can level up your skills for any number of roles, from data science to developer operations.

1. **freeCodeCamp**

Helpful links: [Website](#) | [Forum](#) | [Challenges](#)

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array of these integers in sorted order from least to greatest.

Note:
We are calling this function from behind the scenes; the test array we are using is commented out in the editor. Try logging `array` to see your sorting algorithm in action!

Run the Tests
Reset All Code
Get Help ·

Let's begin with freeCodeCamp, which is a great website for beginners who are just getting into coding. They offer all sorts of resources on learning syntax, practicing coding, building projects, and preparing for interviews.

They don't have as many interactive coding challenges as other sites, but they do offer some fun challenges and interview prep for beginners learning JavaScript.

Great for

Novices who are just learning to code for the first time. It's a great place to learn HTML, CSS, and JavaScript in a fun, interactive way.

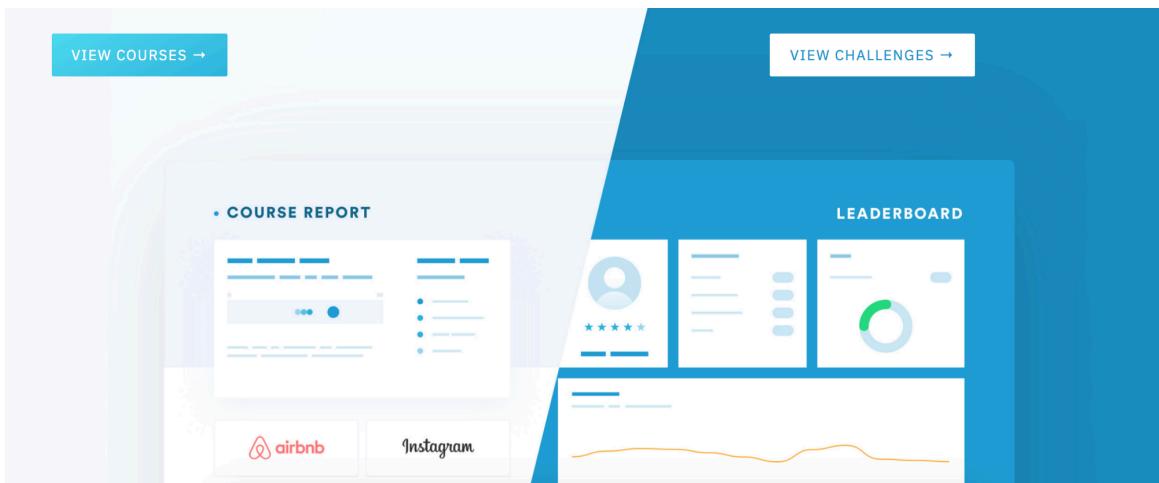
Pricing / Premium content

freeCodeCamp is completely free.

2. Coderbyte

Helpful links: [Website](#) | [Blog](#) | [Dev.to](#) | [Free Challenges](#) | [Premium](#)

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My platform, Coderbyte, provides 300+ coding challenges you can solve in an online editor using 10 different programming languages. You can then access official solutions, over 1.5 million user solutions, and read articles on how to efficiently solve the challenges.

Coderbyte is recommended by the top [coding bootcamps](#) and companies because of its collection of interview prep challenges.

Great for

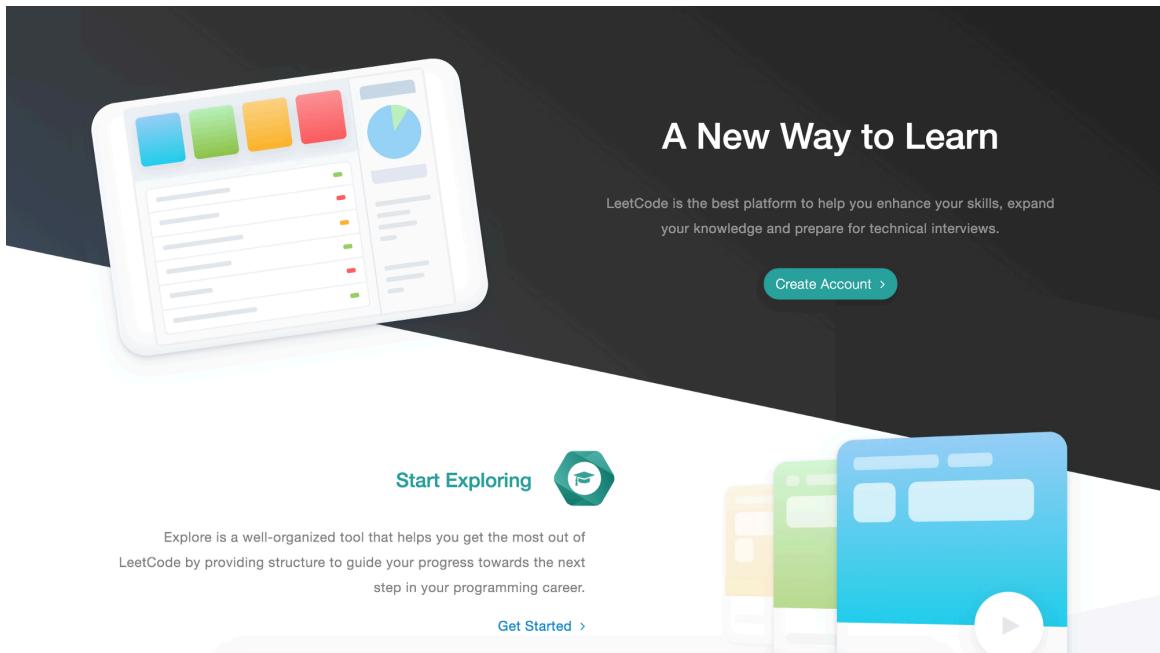
Coderbyte is perfect for people in the beginner-to-intermediate phase of their careers who are preparing for interviews. There is a library of harder challenges as well for those who like to solve coding problems for fun, but this isn't primarily a site for competitive programmers.

Pricing / Premium content

There are a handful of free challenges on Coderbyte, and then there are hundreds of premium challenges and over 1 million user solutions that are available to [members](#).

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Helpful links: [Website](#) | [Discussion](#) | [Free Challenges](#) | [Premium](#)



LeetCode has a collection of some of the best algorithm challenges online today. The topics they cover require knowledge of data structures such as binary trees, heaps, linked lists, and so on, which is why their challenges are a bit more advanced than some other websites. But the challenges are great if used to prepare for a software engineering interview.

They also have a [Mock Interview](#) section that is specifically for job interview preparation. They also host their own [coding contests](#), and they have a great [discussion board](#) where people talk about interview questions, jobs, compensation, and other topics related to engineering.

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 might not be the best suited for brand new coders who don't know how to write basic loops yet, but once you learn the fundamentals this is a great site to practice coding.

Pricing / Premium content

There are free challenges available on LeetCode, and they also have a premium subscription which gets you access to more challenges and other features of the platform.

4. Edabit

Helpful links: [Website](#) | [Blog](#) | [Challenges](#)

edabit Tinker Challenges Shuffle Help

Sign In Register

Instructions Code Resources Solutions Comments Tests Console

Less Than 100?
 Published by zatoichi49 in JavaScript ▾
 language_fundamentals math validation

Given two numbers, return `true` if the sum of both numbers is less than 100. Otherwise return `false`.

Examples

```
lessThan100(22, 15) → true
// 22 + 15 = 37

lessThan100(83, 34) → false
// 83 + 34 = 117
```

Notes
 N/A

⌘ + Enter to check code.

ProTip

Skip

This is the first time Edabit is appearing on our top sites list ([2018 list](#), [2017 list](#))! It has grown in popularity over the last year, and developers seem to really enjoy the challenges. They offer a large collection of

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The site currently only offers online interactive coding challenges – there aren't any discussion boards, articles, user solutions, or mock interviews like other sites offer, but over time they might be adding some of these.

Great for

Edabit is great for beginners looking to practice their coding skills daily by solving bite-sized challenges. Once you reach the intermediate stage, other sites provide harder challenges and more content geared towards competitive programming and job interviews.

Pricing / Premium content

All the challenges on Edabit are free, and there is no premium pricing option.

5. Codewars

Helpful links: [Website](#) | [Blog](#) | [Free Challenges](#) | [Premium](#)

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Codewars provides a large collection of coding challenges submitted and edited by their own community. You can solve the challenges directly online in their editor using 20+ programming languages. You can view a discussion for each challenge as well as user solutions. You can earn points and climb the rankings by solving their challenges.

Great for

Codewars is great for people in the beginner-to-intermediate phase. The challenges are created by the community so you get exposed to a lot of different types of coding challenges.

Pricing / Premium content

They offer all of their challenges created by the community for free, and their premium subscription gets you access to some cool features on their platform.

6. HackerRank

Helpful links: [Website](#) | [Blog](#) | [Challenges](#)

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Practice > Data Structures > Arrays > 2D Array - DS
2D Array - DS

Problem Submissions | Leaderboard | Discussions | Editorial ▾

Given a 6×6 2D Array, arr :

```

1 1 1 0 0 0
0 1 0 0 0 0
1 1 1 0 0 0
0 0 0 0 0 0
0 0 0 0 0 0
0 0 0 0 0 0

```

We define an hourglass in A to be a subset of values with indices falling in this pattern in arr 's graphical representation:

```

a b c
d
e f g

```

There are **16** hourglasses in arr , and an hourglass sum is the sum of an hourglass' values. Calculate the hourglass sum for every hourglass in arr , then print the maximum hourglass sum.

For example, given the 2D array:

1	1	1	0	0	0
0	1	0	0	0	0
1	1	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Author: Shafaet
Difficulty: Easy
Max Score: 15
Submitted By: 368545

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HackerRank has a large collection of coding challenges tailored towards algorithms and data structures, along with interview prep material, a discussion board for each challenge, and a list of top user solutions. They have challenges for other topics as well like functional programming, AI, Shell, SQL, and more.

Great for

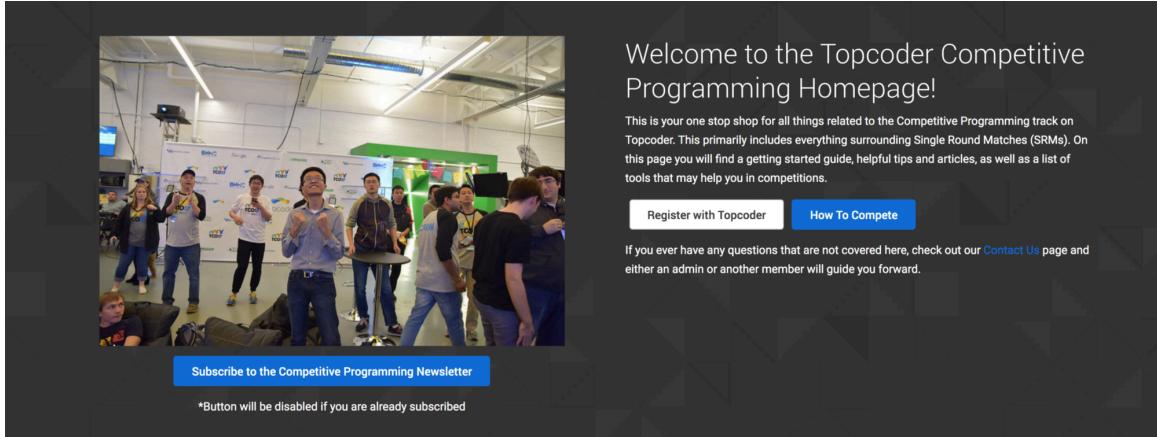
HackerRank is great for intermediate-to-advanced programmers who have already picked up the basics of a language and are ready to solve more complicated problems. The challenges are written with mathematical notation and can sometimes be a little confusing, which is why it might not be so great for beginner developers.

Pricing / Premium content

All the challenges on HackerRank are free, and there is no premium pricing option.

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Welcome to the Topcoder Competitive Programming Homepage!

This is your one stop shop for all things related to the Competitive Programming track on Topcoder. This primarily includes everything surrounding Single Round Matches (SRMs). On this page you will find a getting started guide, helpful tips and articles, as well as a list of tools that may help you in competitions.

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If you ever have any questions that are not covered here, check out our [Contact Us](#) page and either an admin or another member will guide you forward.

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*Button will be disabled if you are already subscribed

TopCoder is one of the original platforms for competitive programming online. It provides a list of algorithmic [challenges](#) from past competitions that you can complete on your own directly online using their code editor.

Their popular Single Round Matches are offered a few times per month at a specific time where you compete against others to solve challenges. Here are some [topics](#) that their challenges may cover.

Aside from solving challenges for fun online, they offer [sponsored](#) competitions where you can win prizes for writing the best solution.

Great for

TopCoder is better suited for advanced programmers who are comfortable solving algorithm challenges dealing with advanced topics like graph search and number theory.

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pricing option.

8. Codeforces

Helpful links: [Website](#) | [Discussion](#) | [Challenges](#)

#	Name	Tags	Rating
1284G	Seolla	graphs	x10
1284F	New Year and Social Network	data structures, graph matchings, graphs, math, trees	x32
1284E	New Year and Castle Construction	binary search, combinatorics, geometry, math, sortings, two pointers	x344
1284D	New Year and Conference	data structures, hashing, sortings, two pointers	x1178
1284C	New Year and Permutation	combinatorics, math	x3218
1284B	New Year and Ascent Sequence	combinatorics, data structures, dp, implementation, sortings	x4577
1284A	New Year and Naming	implementation, strings	x8464
1283F	DIY Garland	constructive algorithms, greedy, trees	2400 x475
1283E	New Year Parties	dp, greedy	1800 x2209
1283D	Christmas Trees	graphs, greedy, shortest paths	1800 x2412
1283C	Friends and Gifts	constructive algorithms, data structures, math	1500 x4411
1283B	Candles Division	math	1000 x8600
1283A	Minutes Before the New Year	math	800 x10731

Codeforces is now probably the top competitive programming website (a few years ago TopCoder was where most competitive programmers spent their time).

There are problems that you can solve online to practice, but there's no online editor. Rather, you write your solution in your own editor and then upload it to their system which then tests your code against a suite of test cases.

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Great for

Advanced and competitive programmers who truly enjoy solving difficult algorithm challenges.

Pricing / Premium content

All the challenges on Codeforces are free, there is no premium pricing option.



Daniel Borowski

CEO & Founder at Coderbyte.

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