黑客派

5 Games That Teach You How to Code

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<p>These Web games will give you a fun and engaging introduction to the world of progra
ming.</p>
<h2 id="toc_h2_0"><a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fcodec
mbat.com%2F" target="_blank" rel="nofollow ugc">CodeCombat</h2>
<p>CodeCombat is an HTML5 role-playing game (RPG) that teaches you fundamental progr
mming concepts.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="CodeCombat" width=
640" height="418" data-src="http://cdn.sixrevisions.com/0562-01-codecombat.png"></p>
<p>In CodeCombat, you play a hero adventuring through the game's levels. The first level i
&nbsp;Kithard Dungeon, which covers basic programming concepts. You're fa
ed with coding challenges throughout your journey, and if you overcome them, you'll unloc
 the next level and earn experience points (XP) that you can use to improve your hero.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="Levels in CodeComba
" width="640" height="403" data-src="http://cdn.sixrevisions.com/0562-02-codecombat-leve
s.png"></p>
<p>CodeCombat is appealing to young, aspiring programmers. According to an in-game sur
ey, 62% of CodeCombat's users are under 18 years old.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="" width="640" height
"532" data-src="http://cdn.sixrevisions.com/0562-03-codecombat-age-survey.png"></p>
<p>CodeCombat supports five programming languages: JavaScript, CoffeeScript, Lua, and Py
hon. The game covers a wide range of programming topics — strings, variables, method invo
ation, vector drawing, and much more.</p>
<h2 id="toc_h2_1"><a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fwww.c
dehunt.com%2F" target="_blank" rel="nofollow ugc">Code Hunt</h2>
<p>Code Hunt is a Sci-Fi-themed HTML5 game developed by Microsoft Research.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="Code Hunt" width="6
0" height="446" data-src="http://cdn.sixrevisions.com/0562-04-codehunt.jpg"></p>
<p>In this game, you play as a code hunter tasked with repairing code so that it returns the e
pected result. There are 14 levels, called&nbsp;Sectors&nbsp;in the Code Hunt
omenclature, for you to complete.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="Code Hunt user interf
ce" width="640" height="419" data-src="http://cdn.sixrevisions.com/0562-05-codehunt-ui.jp
"></p>
<p>Code Hunt supports either Java or C#. Programming concepts you'll learn include arith
etic, loops, and conditional expressions.</p>
<p>Teachers who would like to extend the game with additional Sectors can do so by first re
ding the&nbsp;<a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fwww.code
unt.com%2Fdocs%2Fdesigner.html" target="_blank" rel="nofollow ugc">Code Hunt Designer
Manual.</p>
<h2 id="toc_h2_2"><a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fwww.c
dingame.com%2Fstart" target="_blank" rel="nofollow ugc">CodinGame</h2>
<p>CodinGame is a huge suite of challenging games for programmers. If you want to impro
e your coding skills, playing CodinGame is a fun way to do so.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="CodinGame" width="
40" height="394" data-src="http://cdn.sixrevisions.com/0562-06-codeingame.jpg"></p>
<p>Over 20 programming languages including PHP, C, and JavaScript are supported by Codi
Game. The user interface is feature-packed and can be customized. For example, you can cho
se your code editor's style: "Emacs", "Vim", or "Classic" (the default theme).</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="CodinGame example"
width="640" height="359" data-src="http://cdn.sixrevisions.com/0562-07-codeingame-ui.jpg
></p>
<p>The game can be played on single player mode or multiplayer mode. In multiplayer mode
 you can solve CodinGame challenges with other users.</p>
<h2 id="toc_h2_3"><a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fscreep

.com%2F" target="_blank" rel="nofollow ugc">Screeps</h2>
<p>Screeps is a <a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fen.
ikipedia.org%2Fwiki%2FMassively_multiplayer_online_game" target="_blank" rel="nofollow u
c">massively multiplayer online game (MMO) for JavaScript programmers.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="Screeps" width="640"
height="446" data-src="http://cdn.sixrevisions.com/0562-08-screeps.jpg"></p>
<p>The game is an open-world strategy game where you control units, called cr
eps, that will help you mine resources, establish your territory, and so forth. Being a m
ltiplayer online game means your creeps will be alongside the creeps of other players.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="Screeps simulation" w
dth="640" height="418" data-src="http://cdn.sixrevisions.com/0562-09-screeps-ui.png"></
>
<p>Controlling your creeps involves writing JavaScript. (Screeps = scripting your
creeps.) To learn how to play the game, hit up the <a href="https://link.hacpai.c
m/forward?goto=http%3A%2F%2Fsupport.screeps.com%2Fhc%2Fen-us%2Fcategories%2F20
505851" target="_blank" rel="nofollow ugc">docs.</p>
<h2 id="toc_h2_4"><a href="https://link.hacpai.com/forward?goto=http%3A%2F%2Ffightco
egame.com%2F" target="_blank" rel="nofollow ugc">FightCode</h2>
<p>In FightCode, the objective is simple: Create a robot that will defeat the robots of other p
ayers.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="FightCode" width="6
0" height="399" data-src="http://cdn.sixrevisions.com/0562-10-fightcode.png"></p>
<p>How do you create a robot? By writing some JavaScript. For example, you can use the&n
sp;<code>.rotateCannon()</code> method to rotate your robot's cannon by a certai
 number of degrees when a certain event happens.</p>
<p><img src="https://static.hacpai.com/images/img-loading.svg" alt="FightCode demo" wid
h="640" height="444" data-src="http://cdn.sixrevisions.com/0562-11-fightcode-ui.png"></
>
<p>Before building your indestructible, world-dominating robot, the first step you'll need t
 take is to read the <a href="https://link.hacpai.com/forward?goto=http%3A%2F%2Ffi
htcodegame.com%2Fdocs%2F" target="_blank" rel="nofollow ugc">docs to learn
how to code a robot.</p>
<p> </p>
<p>转自：http://sixrevisions.com/resources/games-that-teach-how-to-code/</p>