

# How freeCodeCamp helps millions of people learn to code

by Quincy Larson (@ossia)  
Teacher and founder of  
freeCodeCamp.org

freeCodeCamp()

freeCodeCamp(🔥)

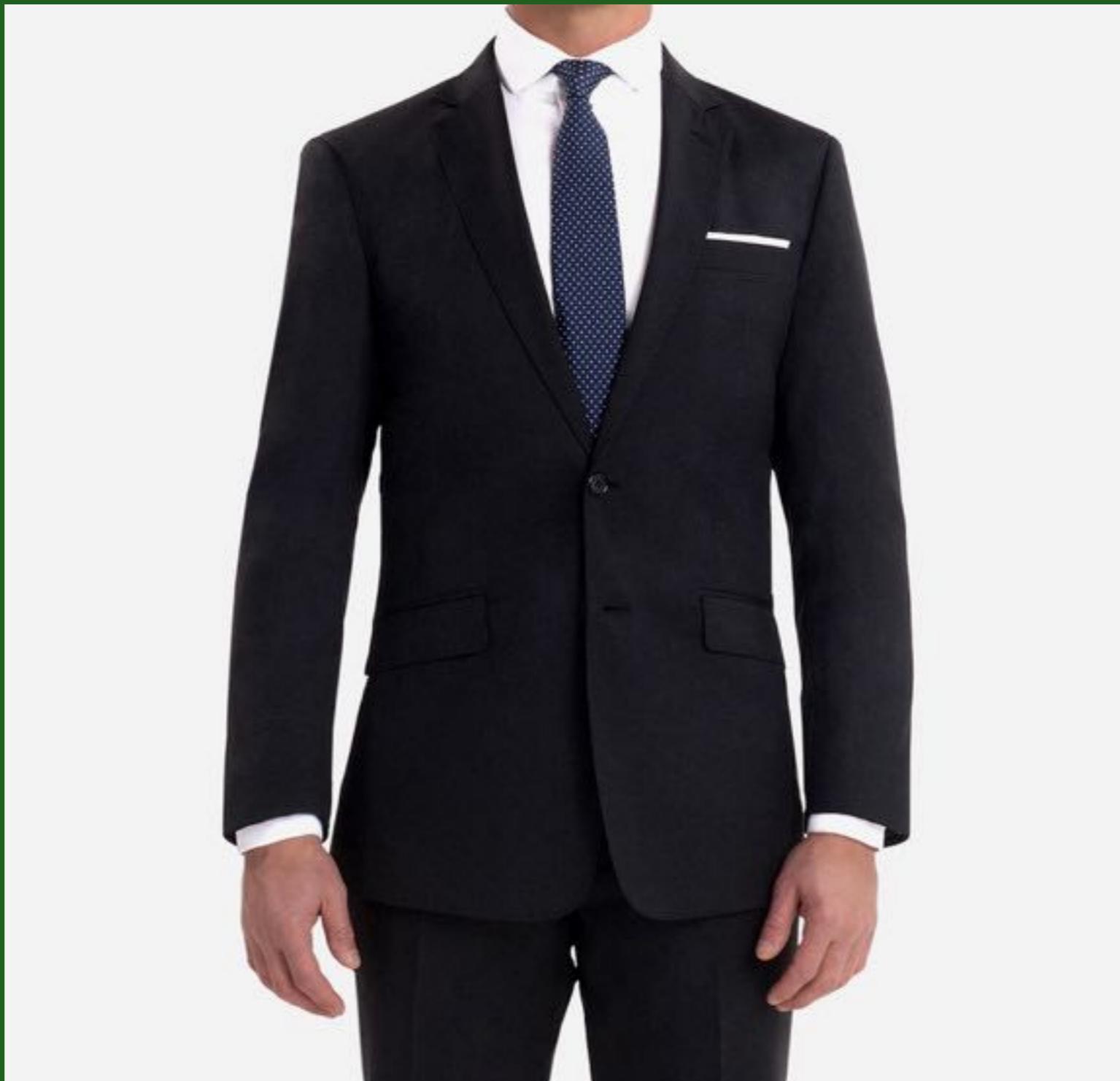
Learn to code for free with  
millions of other people

The story behind  
[freeCodeCamp.org](https://freeCodeCamp.org)

In 2012,  
I was a school director.

I was 31 years old.  
I didn't know how to code.  
I didn't know anyone in tech.  
And nobody in tech  
knew who I was.

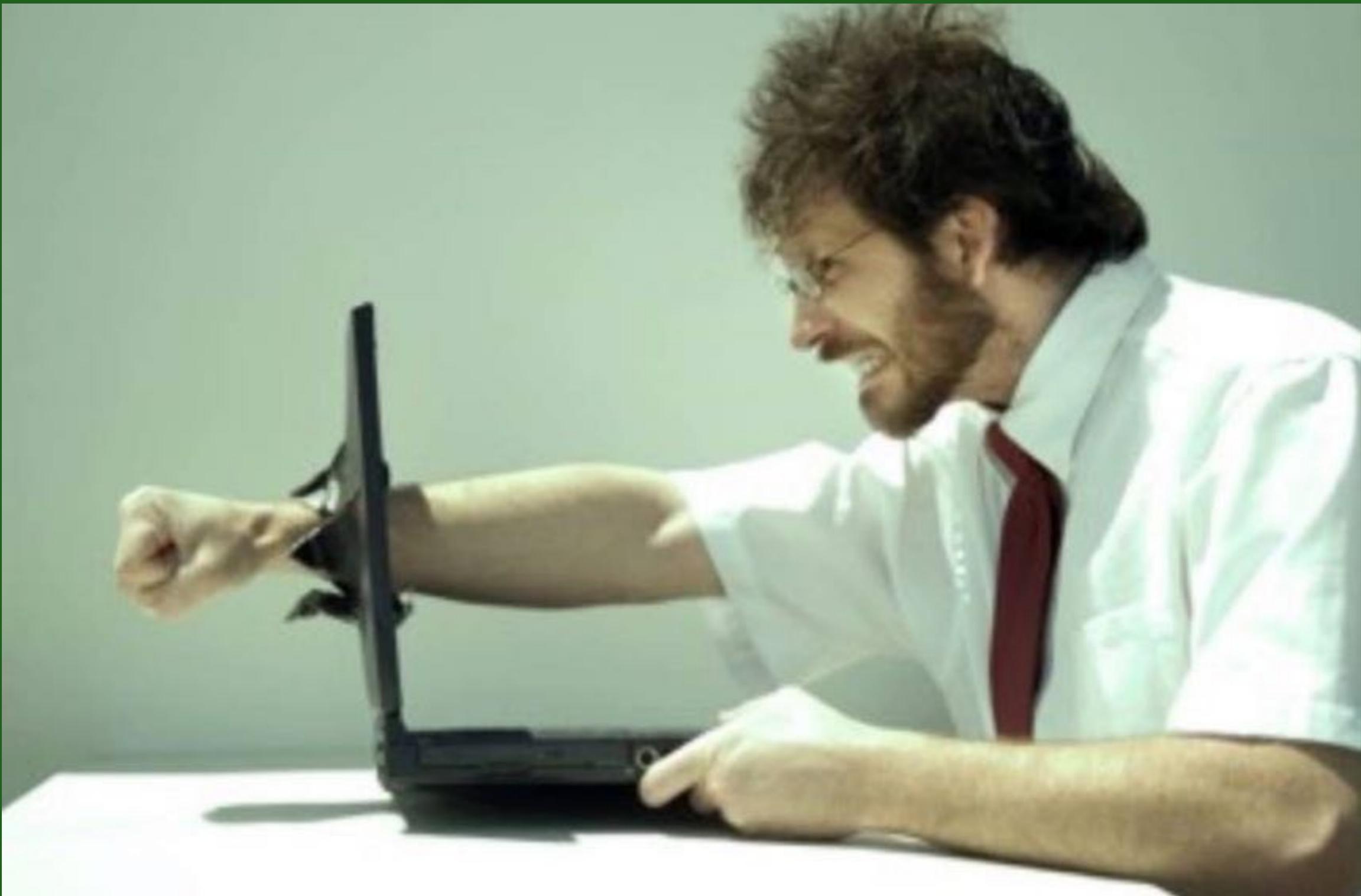
I was just a guy in a suit  
sitting in an office



# I started learning to code



It was lonely  
and frustrating



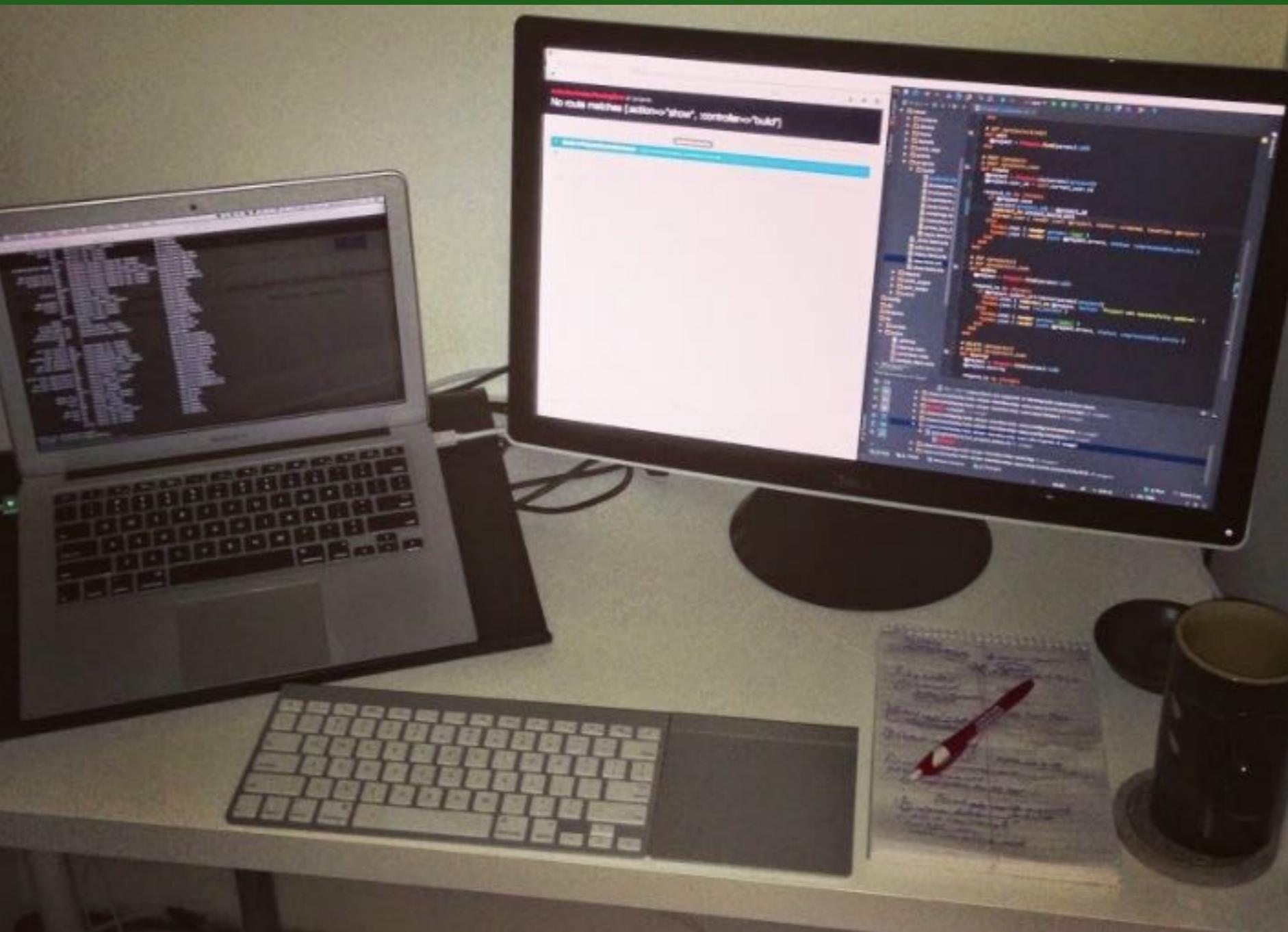
# I met other developers at hackerspaces



# Every weekend I participated in hackathons



# I sat in my closet and coded for two years



But nobody used my open  
source education projects



# JavaScript!



# Starting freeCodeCamp

localhost:3000

Free Code Camp

Sign in with LinkedIn

## Become a Software Engineer

Our free online coding bootcamp will help you land your first coding job!

Technical Mastery



Pair program your way through our courses and coding challenges.

Unique Portfolio Projects



Contribute to Open Source Software. Work closely with non-profits and solve their problems with code.

Glowing References



Gain the esteem of your peers and the people you help.

Sign in now to get started (it's free)

I'm with a non-profit and want help from a Software Engineer

# Starting freeCodeCamp

 **freeCodeCamp.org**   
@freeCodeCamp

**Following** ▾

千里之行，始於足下 - 老子 A journey of a thousand miles begins with a single step. - Laozi

Translate Tweet

4:38 PM - 7 Jul 2014

---

2 Retweets 3 Likes

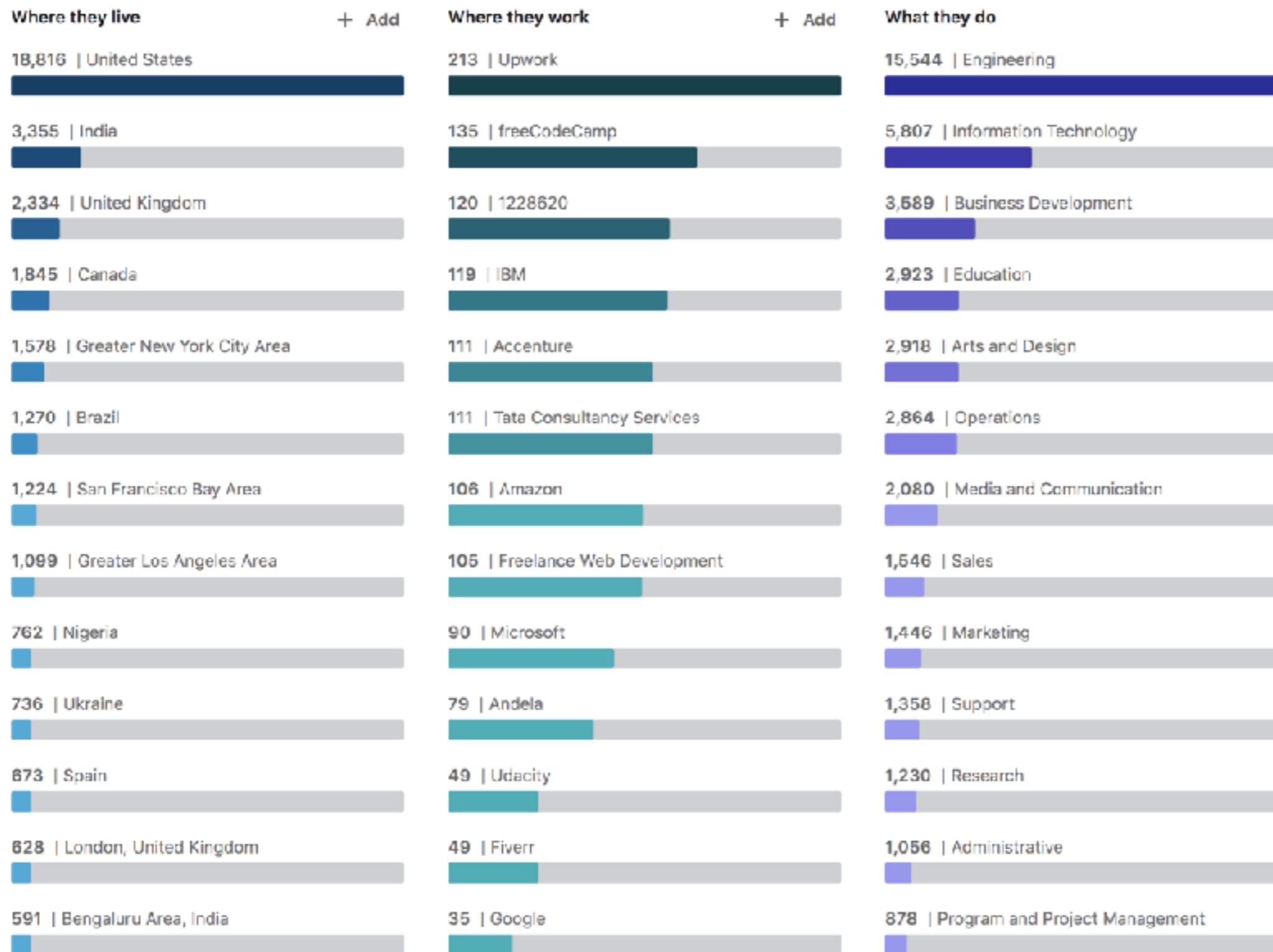


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  2  3  

# People started getting developer jobs.

53,933 alumni



# People started contributing to freeCodeCamp itself.

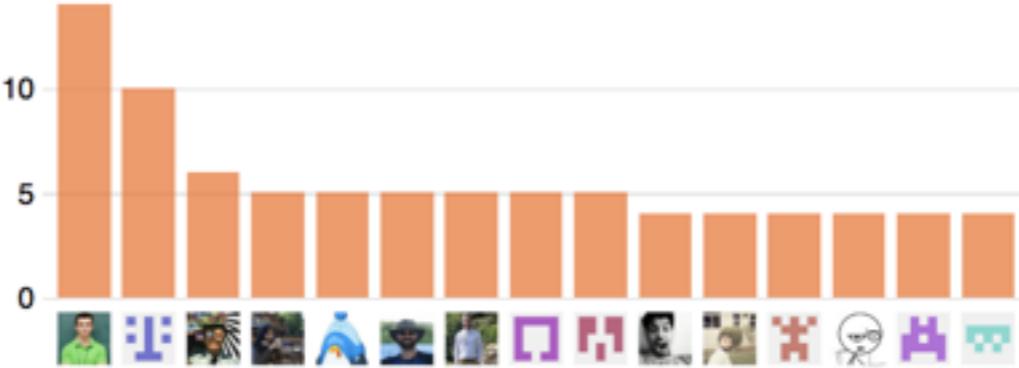
October 22, 2018 – October 29, 2018 Period: 1 week ▾

### Overview

5,207 Active Pull Requests      75 Active Issues

 488 Merged Pull Requests	 4,719 Proposed Pull Requests	 58 Closed Issues	 17 New Issues
-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------

Excluding merges, **308 authors** have pushed **495 commits** to master and **496 commits** to all branches. On master, **911 files** have changed and there have been **28,761 additions** and **4,985 deletions**.



488 Pull requests merged by 308 people

Merged #21190 [change functions example](#) 5 minutes ago

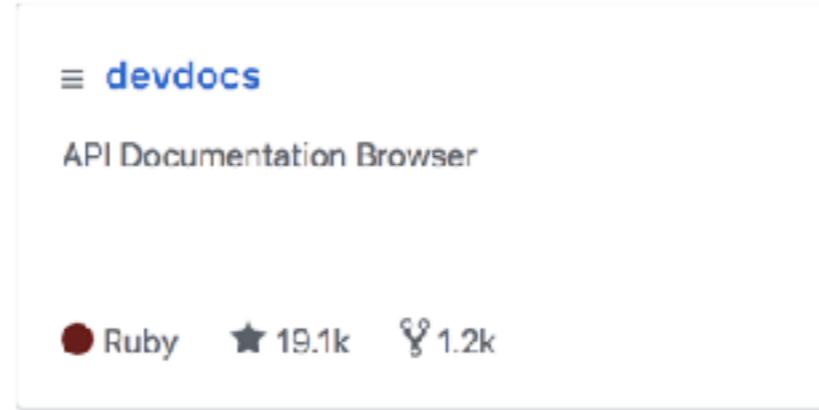
# Starting freeCodeCamp

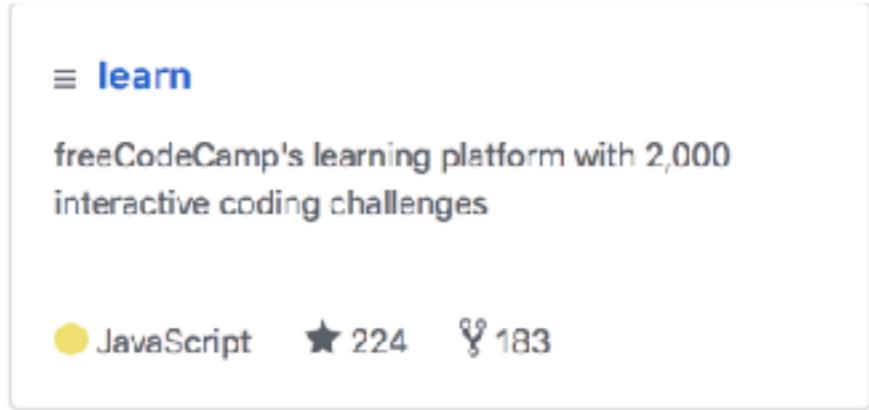
 **freeCodeCamp.org**  
Learn to code for free with millions of other people around the world  
 Just here on Earth... for now  <https://www.freecodecamp.org> 

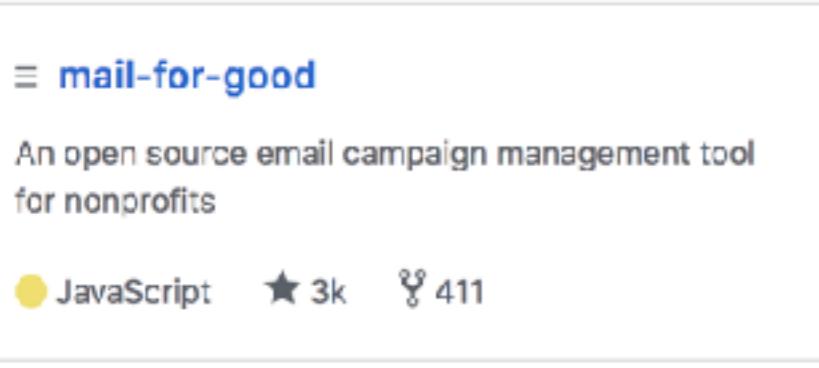
 **Repositories** 111  **People** 136  **Teams** 30  **Projects** 4  **Settings**

**Pinned repositories** 

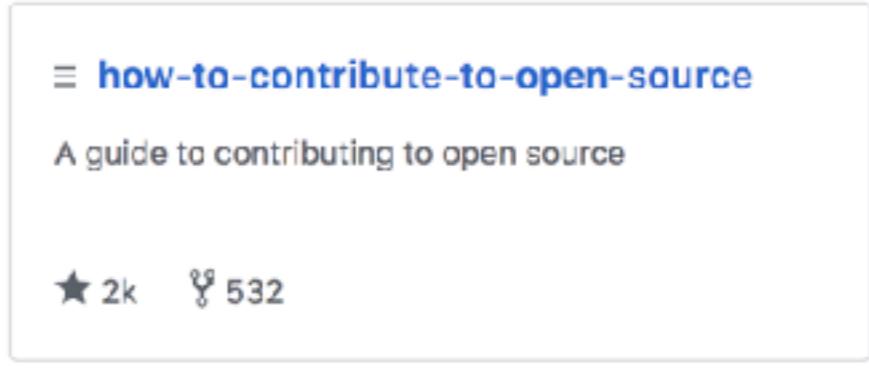
  
**≡ freeCodeCamp**  
The <https://freeCodeCamp.org> open source codebase and curriculum. Learn to code for free together with millions of people.  
 JavaScript  296k  19.9k

  
**≡ devdocs**  
API Documentation Browser  
 Ruby  19.1k  1.2k

  
**≡ learn**  
freeCodeCamp's learning platform with 2,000 interactive coding challenges  
 JavaScript  224  183

  
**≡ mail-for-good**  
An open source email campaign management tool for nonprofits  
 JavaScript  3k  411

  
**≡ guide**  
A collection of easy-to-understand guides to programming tools  
 JavaScript  2k  4.7k

  
**≡ how-to-contribute-to-open-source**  
A guide to contributing to open source  
 2k  532

# The freeCodeCamp curriculum

- ▼ Responsive Web Design Certification (300 hours)
  - ▶ Basic HTML and HTML5
  - ▶ Basic CSS
  - ▶ Applied Visual Design
  - ▶ Applied Accessibility
  - ▶ Responsive Web Design Principles
  - ▶ CSS Flexbox
  - ▶ CSS Grid
  - ▶ Responsive Web Design Projects
- ▶ Javascript Algorithms And Data Structures Certification (300 hours)
- ▶ Front End Libraries Certification (300 hours)
- ▶ Data Visualization Certification (300 hours)
- ▶ APIs And Microservices Certification (300 hours)
- ▶ Information Security And Quality Assurance Certification (300 hours)
- ▶ Coding Interview Prep (Thousands of hours of challenges)

# The curriculum

freeCodeCamp ()

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## Applied Accessibility: Make Links Navigatable with HTML Access Keys

HTML offers the `accesskey` attribute to specify a shortcut key to activate or bring focus to an element. This can make navigation more efficient for keyboard-only users.

HTML5 allows this attribute to be used on any element, but it's particularly useful when it's used with interactive ones. This includes links, buttons, and form controls.

Here's an example:

```
<button accesskey="b">Important Button</button>
```

Camper Cat wants the links around the two blog article titles to have keyboard shortcuts so his site's users can quickly navigate to the full story. Add an `accesskey` attribute to both links and set the first one to "g" (for Garfield) and the second one to "c" (for Chuck Norris).

Run the Tests

Reset All Code

Get a hint

Watch a video

Ask for help

Your code should add an `accesskey` attribute to the `a` tag with the `id` of "first".

Your code should add an `accesskey` attribute to the `a` tag with the `id` of "second".

```
1 <body>
2   <header>
3     <h1>Deep Thoughts with Master Camper Cat</h1>
4   </header>
5   <article>
6
7     <h2><a id="first" href="#">The Garfield Files: Lasagna as Training Fuel?</a></h2>
8
9
10    <p>The internet is littered with varying opinions on nutritional paradigms, from catnip paleo to hairball cleanses. But let's turn our attention to an often overlooked fitness fuel, and examine the protein-carb-NOM trifecta that is lasagna...</p>
11
12  </article>
13  <article>
14
15    <h2><a id="second" href="#">Is Chuck Norris a Cat Person?</a></h2>
16
17
18    <p>Chuck Norris is widely regarded as the premier martial artist on the planet, and it's a complete coincidence anyone who disagrees with this fact mysteriously disappears soon after. But the real question is, is he a cat person?...</p>
19
20  </article>
21  <footer>© 2018 Camper Cat</footer>
22 </body>
```

```
/*
* Your test output will go here.
*/
```

## Deep Thoughts with Master Camper Cat

### [The Garfield Files: Lasagna as Training Fuel?](#)

The internet is littered with varying opinions on nutritional paradigms, from catnip paleo to hairball cleanses. But let's turn our attention to an often overlooked fitness fuel, and examine the protein-carb-NOM trifecta that is lasagna...

### [Is Chuck Norris a Cat Person?](#)

Chuck Norris is widely regarded as the premier martial artist on the planet, and it's a complete coincidence anyone who disagrees with this fact mysteriously disappears soon after. But the real question is, is he a cat person?...

© 2018 Camper Cat

# Certifications

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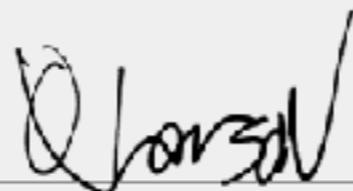
Issued October 9, 2018

This certifies that

**Divya Mathur**

has successfully completed freeCodeCamp's  
**APIs and Microservices**

Developer Certification, representing approximately 300 hours of coursework



Quincy Larson

Executive Director, freeCodeCamp.org

Verify this certification at: <https://www.freecodecamp.org/certification/luckyrose89/apis-and-microservices>

# Portfolios

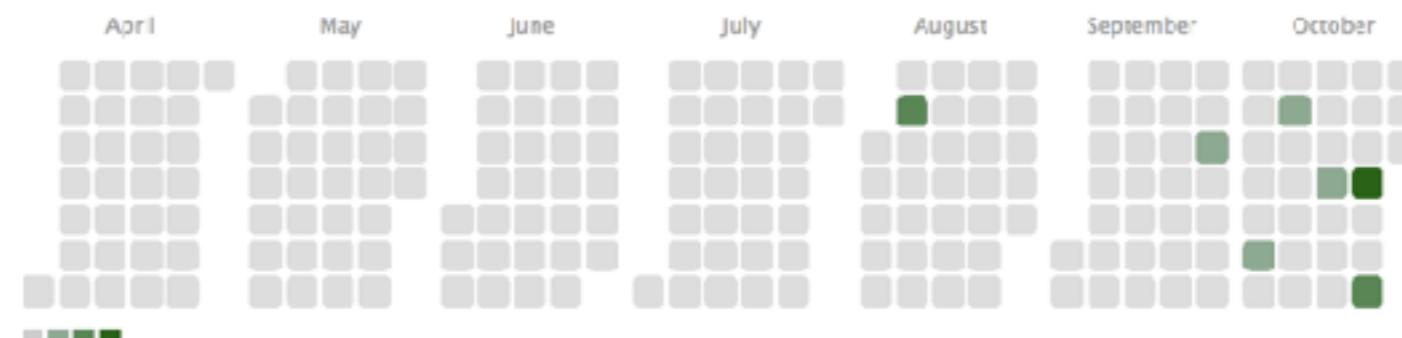


@luckyrose89

Divya Mathur

Delhi

64 points



Longest Streak: 7

Current Streak: 1

# The freeCodeCamp Guide

freeCodeCamp(👤)

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- ▶ Cloud Development
- ▶ Computational Genomics

## freeCodeCamp Guide

This website is full of articles about all things related to programming. You can use the search bar above to find something you would like to learn about, or use the navigation to explore the content.

There are articles on:

- SQL
- Mathematics
- JavaScript
- Bootstrap
- Git
- and a whole lot more

## Not sure where to start?

If you want to learn programming but you're not sure where to start, check out [freeCodeCamp.org](https://www.freecodecamp.org). It has a curriculum that starts from zero and helps you learn to code.

## Contribute to the Guide

This site and the articles on it are [open source](#). Your help in making it better is greatly appreciated!

---

Happy coding!

# The freeCodeCamp Guide

freeCodeCamp (🔥)

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- ▶ Groovy
- ▶ Haskell
- ▶ Hibernate
- ▶ HTML
- ▶ Ionic
- ▼ Java

Abstract Classes in Java

Access Modifiers

Arrays

ArrayList

▶ Basic Operations

Build Tools

Built-In Functions

Classes and Objects

Collections

Comments in Java

Constructors

Control Flow

Data Abstraction

Data Types

Defining Attributes

Checking for Equality

Final

Finally

Garbage Collection

Generics

Getters & Setters

Inheritance

InstanceOf Operator

Java

## What is Java?

Java is a programming language developed by [Sun Microsystems](#) in 1995, which got later acquired by [Oracle](#). It's now a full platform with lots of standard APIs, open source APIs, tools, huge developer community and is used to build the most trusted enterprise solutions by big and small companies alike. [Android](#) application development is done fully with Java and its ecosystem. To know more about Java, read [this](#) and [this](#).

## Version

The latest version is [Java 11](#), which was released in 2018 with [various improvements](#) over the previous version, Java 10. But for all intents and purposes, we will use Java 8 in this wiki for all tutorials.

Java is also divided into several "Editions" :

- [SE](#) - Standard Edition - for desktop and standalone server applications
- [EE](#) - Enterprise Edition - for developing and executing Java components that run embedded in a Java server
- [ME](#) - Micro Edition - for developing and executing Java applications on mobile phones and embedded devices

## Installation : JDK or JRE ?

Download the latest Java binaries from the [official website](#). Here you may face a question, which one to download, JDK or JRE? JRE stands for Java Runtime Environment, which is the platform dependent Java Virtual Machine to run Java codes, and JDK stands for Java Development Kit, which consists of most of the development tools, most importantly the compiler `javac`, and also the JRE. So, for an average user JRE would be sufficient, but since we would be developing with Java, we would download the JDK.

## Platform specific installation instructions

# Videos



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This music will help you get into a flow state so you can crank out some serious code. Stream by the freeCodeCamp.org global nonprofit community. Read more about this stream here: <https://fcc.im/2...>

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Tutorials PLAY ALL



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freeCodeCamp.org

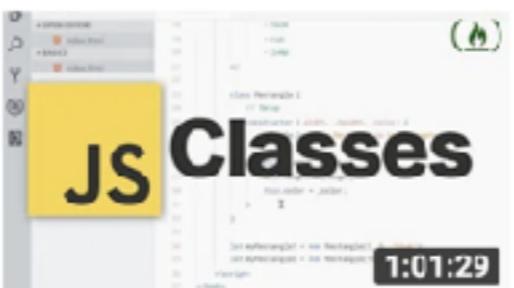
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Intro to Game Development with JavaScript - Full Tutorial

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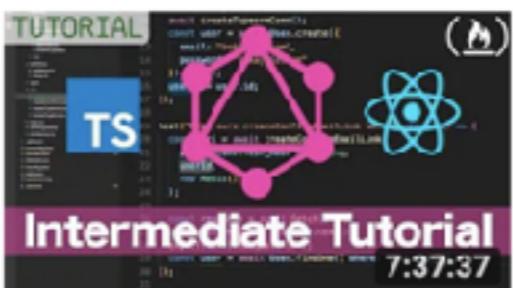
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JavaScript Classes Tutorial

freeCodeCamp.org

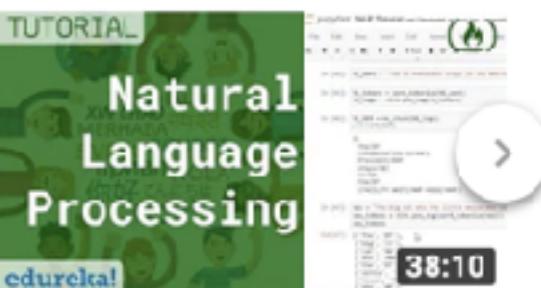
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GraphQL Server Intermediate Tutorial - Boilerplate with...

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6.1K views • 3 weeks ago

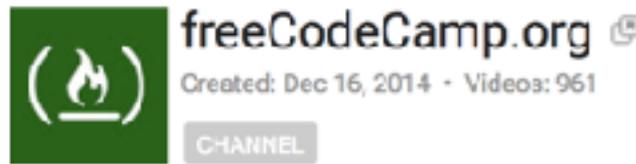


Natural Language Processing (NLP) Tutorial with Python ...

freeCodeCamp.org

4.9K views • 1 month ago

# Videos



Last 28 days (Sep 30, 2018 – Oct 27, 2018)

## Watch time

Minutes



19,376,290 ▲

## Average view duration

Minutes



11:04 ▲

## Views



1,749,968 ▲

## Your estimated revenue

\$0.00 ●

## Likes \*

40,122



## Dislikes \*

749



## Comments \*

20,839



## Shares \*

29,391



## Videos in playlists

125,002 ▼



## Subscribers \*

58,686



# Articles



freeCodeCamp (🔥)



51K



HOME | DEV | LEARN TO CODE FOR FREE

Applause from you, Sergey Skotarenko, and 1,348 others



Rinor Maloku [Follow](#)

Join me and master one tool at a time. <https://rinormaloku.com>

Apr 14 · 33 min read

## Learn Kubernetes in Under 3 Hours: A Detailed Guide to Orchestrating Containers



# Articles

Overview Stories

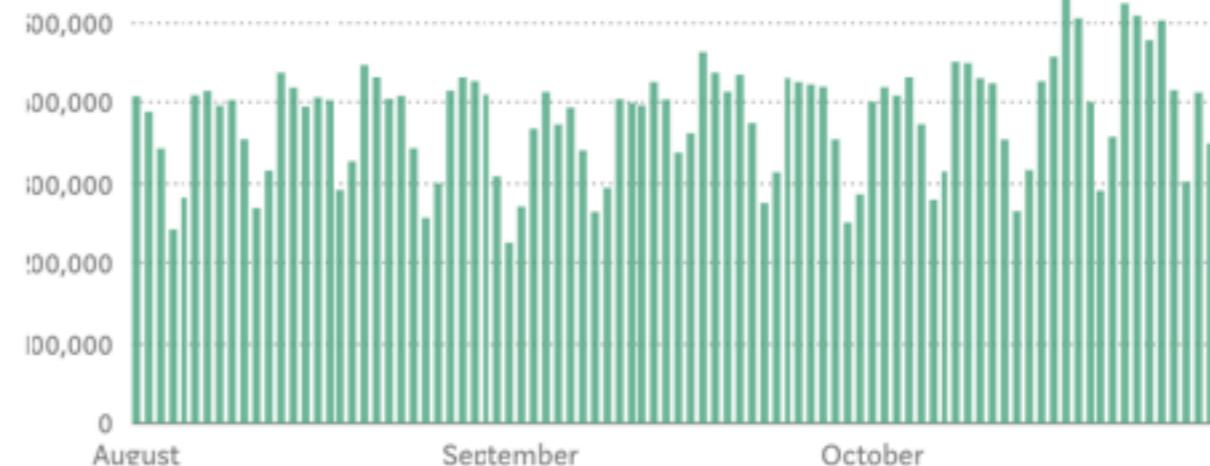
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30 days 90 days

**34,309,464**

**Minutes read (90 days)**

The total amount of time spent reading your publication.

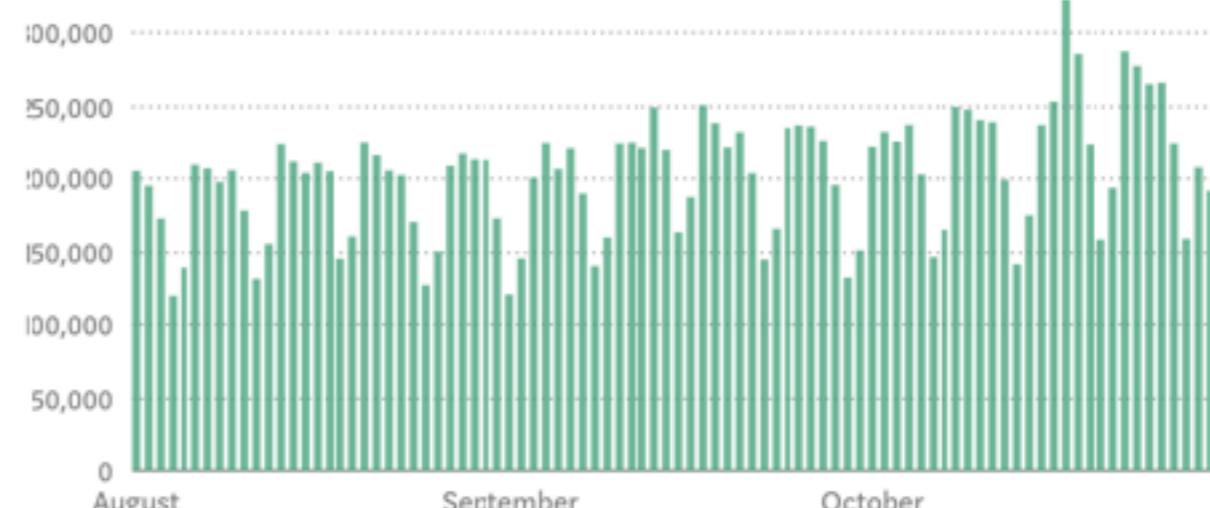


30 days 90 days

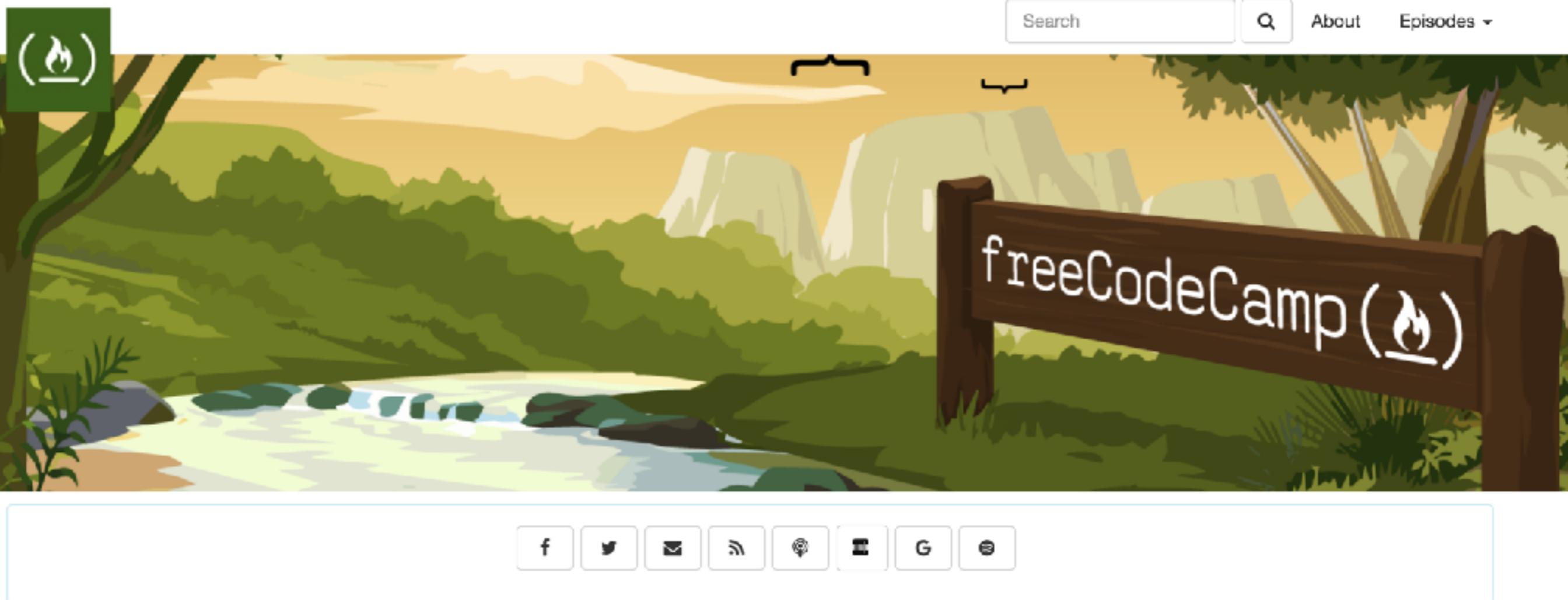
**18,258,151**

**Views (90 days)**

The total number of views your publication has received on all posts and pages.



# Podcasts



The header features a green navigation bar with a search bar, an 'About' link, and an 'Episodes' dropdown. Below the bar is a large, colorful illustration of a landscape with rolling hills, a waterfall, and a river. A wooden signpost in the foreground has a sign that reads "freeCodeCamp" followed by the flame logo.

[f](#) [t](#) [e](#) [r](#) [s](#) [i](#) [G](#) [e](#)

## Ep. 51: Erica Peterson, founder, entrepreneur, and mother

Oct 29, 2018

Abbey Rennemeyer interviews Erica Peterson, the founder of Moms Can: Code and Science Tots, and Founder Gym alumna.

Erica started her career in biology, but after being told that she should leave her graduate program once she became pregnant with her first child, she started to look for other options.

Three years ago,...



[Read More](#)

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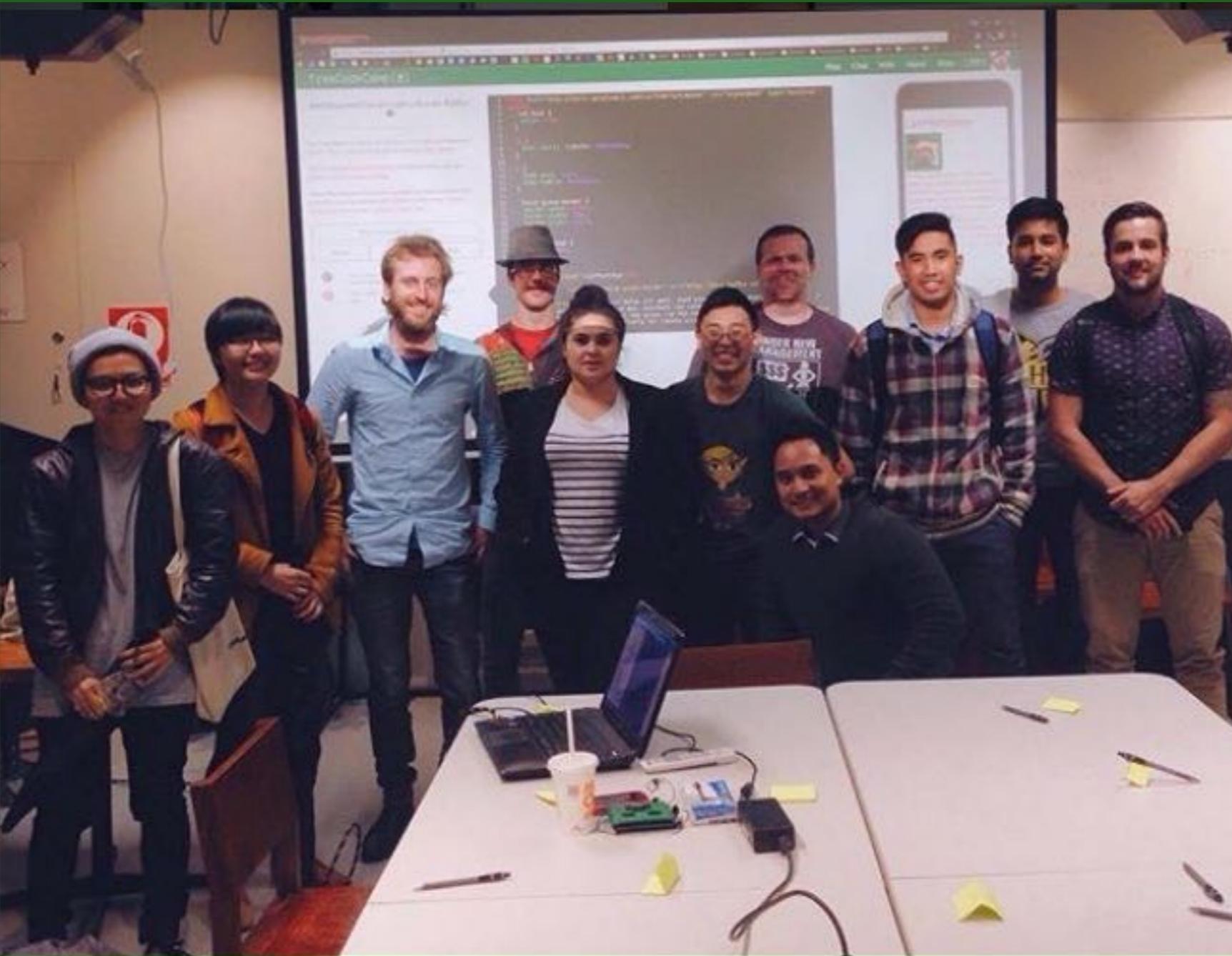
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mexico city, mexico

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(🔥) freeCodeCamp  
guangzhou, china

5 quick tips  
for people early  
in their developer careers

# Tip #1: code everyday



# Tip #2: hang out with other people who code



# Tip #3: don't overthink tools



# Tip #4:

## focus on how to build.

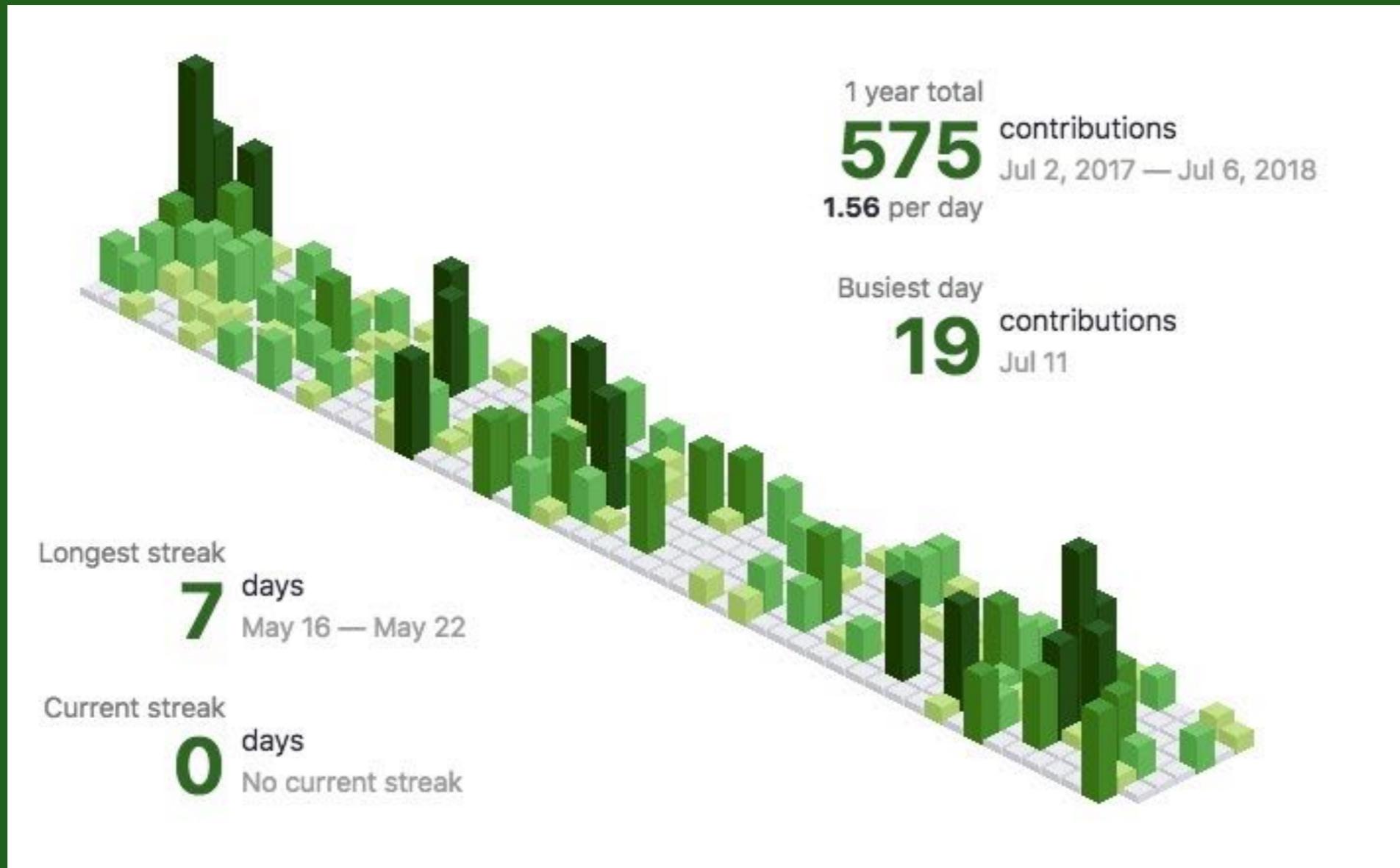
## Not what to build.



✓ Every time you build a to-do list app, a puppy 🐕 dies 😢

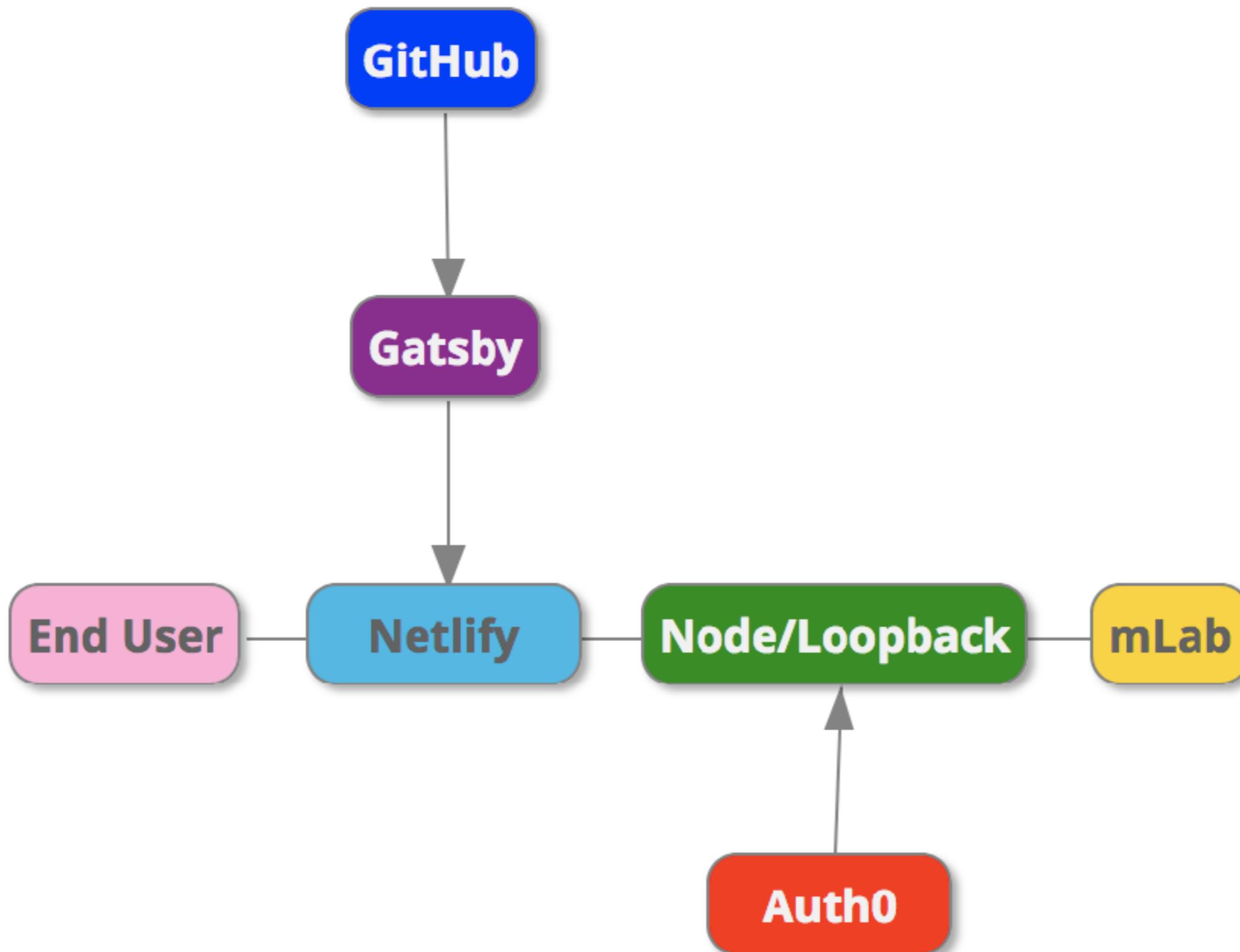


# Tip #5: contribute to open source



# Things we're working on

# Version 3: JAMstack



# Internationalization

id	title	challengeType	videoUrl	localeTitle
589fc831f9fc0f352b528e76	Handle a Disconnect	2		التعامل مع قطع الاتصال

## Description

قد تلاحظ أن لديك حتى الآن زيادة عدد المستخدمين فقط، إن التعامل . GitHub أو مستنسخ من ، يجري بناء هذا المشروع على المشروع المبدئي التالي في مع قطع اتصال المستخدم أمر سهل تماماً مثل التعامل مع اتصال الأولي ، باستثناء الفارق ، يجب عليك الاستماع إليه على كل مأخذ مقابل على الخادم بأكمله.

للقىام بذلك ، أضف إلى مستمع اتصال موجود مستعملاً يستمع إلى "قطع اتصال" على المقبس بدون بيانات تم تمريرها. يمكنك اختبار هذه الوظيفة بمجرد تسجيل الدخول إلى للتأكد من ; )()/\*anything you want to do on disconnect\*, () => { . وحدة التحكم التي قام مستخدم بفصلها أن العملاء لديهم العدد المحدث من المستخدمين الحاليين بشكل مستمر ، يجب عليك تقليل عدد المستخدمين الحاليين بمقدار 1 عندما يحدث قطع اتصال ثم إرسال الحدث "عدد المستخدمين" مع العدد المحدث! ملحوظة تماماً مثل "قطع اتصال" ، يجب التعامل مع جميع الأحداث الأخرى التي يمكن أن ينبع منها مأخذ توصيل إلى الخادم داخل المستمع المتصل حيث تم تعريف "المقبس". أرسل صفحاتك عندما تظن أنك على صواب.

## Instructions

## Tests

### tests:

- **text:** يعالج الخادم فصل الحدث من المقبس  
**testString:** 'getUserInput => \$.get(getUserInput("url")+ "/\_api/server.js") .then(data => { assert.match
- **text:** "يسنمع عميلك إلى حدث "عدد المستخدمين"

# freeCodeCamp News

## Create a Kanban Board



By Beau Carnes Oct 19 1 minute read 4806 views

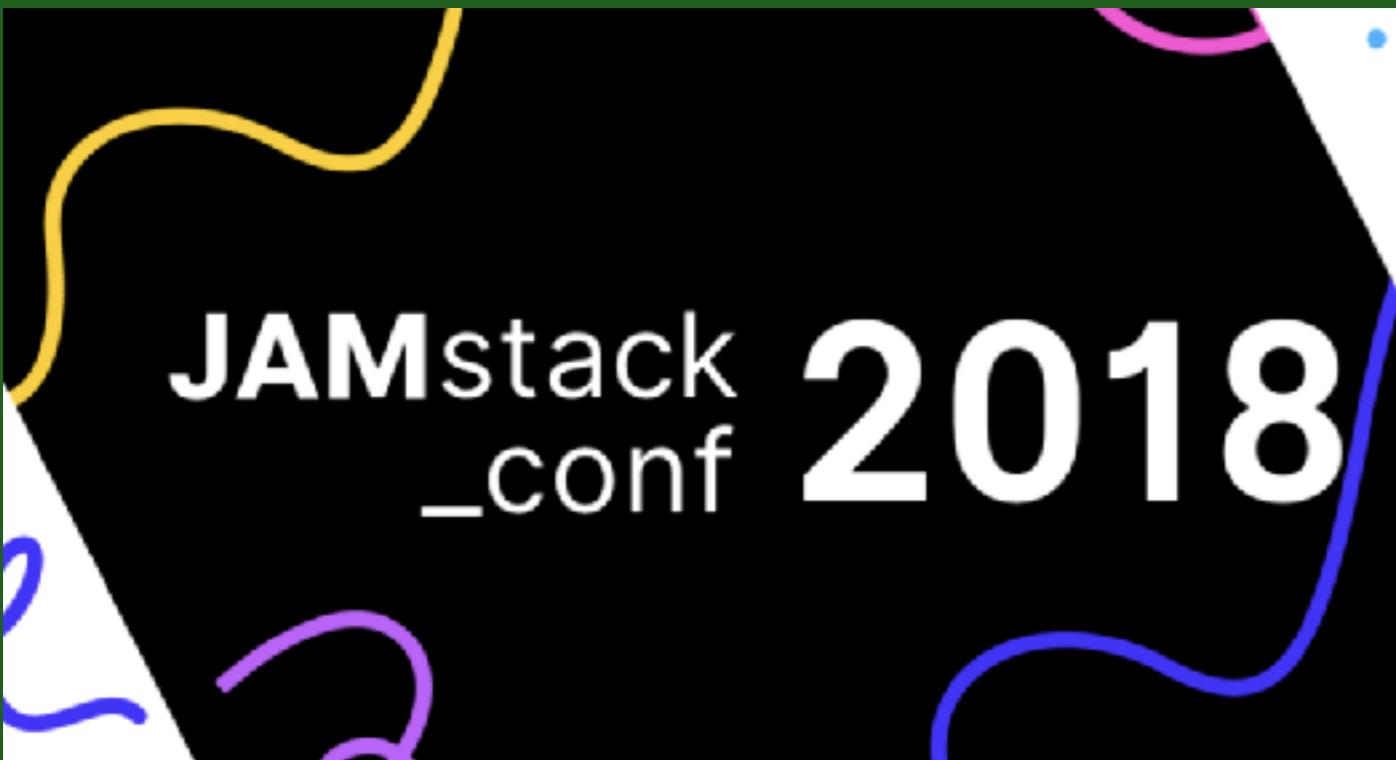
# freeCodeCamp Events Tool



(🔥) freeCodeCamp  
seoul, south korea

That's all, folks!  
Thanks for coming to  
JAMstack\_conf!

I'm [twitter.com/ossia](https://twitter.com/ossia)



Quincy Larson   
[@ossia](https://twitter.com/ossia)

I'm the teacher who started [freeCodeCamp.org](https://freeCodeCamp.org) where millions of people are learning to code for free. You should follow me here on Twitter. 

 a pale blue dot  [freeCodeCamp.org](https://freeCodeCamp.org)  
 Born December 14, 1980  Joined July 2011

510 Following 61.1K Followers