How to contribute back to Open Source ?

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Silicon Valley Code Camp 2016
San Jose, CA

AGENDA

1
Intro

Question A:

What's your favourite open source tool?

Question B:

How often do you use it?

Question C:

How often do you have an issue of some sort with it?

Question D:

Any companies interested in contributing?

How much would it cost you to reinvent the wheel...

...bug free

My Open Source story...

2006-2010 = FreeBSD

That was "for fun"

Then came a job

and then came a break

reasons?

procrastination

perfectionism

fear of publishing

fear of trade secrets/IP

2.
Open Source facts

It's all volunteers with scarce time

it's more about free software than you

Imperfect tool is better than none

Even bad public tools have a value - code reference

Do you **really** care when people make mistakes?

I don't

Then I stumbled upon..

Write Code Every Day

Last fall, work on my coding side projects came to a head: I wasn't making adequate progress and I couldn't find a way to get more done without sacrificing my ability to do effective work at Khan Academy.

There were a few major problems with how I was working on my side projects. I was primarily working on them during the weekends and sometimes in the evenings during the week. This is a strategy that does not work well for me, as it turns out. I was burdened with an incredible amount of stress to try and complete as much high quality work as possible during the weekend (and if I was unable to it felt like a failure). This was a problem as there's no guarantee that every weekend will be free – nor that I'll want to program all day for two days (removing any chance of relaxation or doing anything fun).

There's also the issue that a week between working on some code is a long time, it's very easy to forget what you were working on or what you left off on (even if you keep notes). Not to mention if you miss a weekend you end up with a two week gap as a result. That massive multi-week context switch can be deadly (I've had many side projects die due to attention starvation like that).

Inspired by the incredible work that Jennifer Dewalt completed last year, in which she taught herself programming by building 180 web sites in 180 days, I felt compelled to try a similar tactic: working on my side projects every single day.

And books

Revised and Expanded
More Than One Million Copies Sold

On Writing Well

The Classic Guide to Writing Nonfiction

30TH ANNIVERSARY EDITION

William Zinsser

STEPHEN KING

"A one-of-
a-kind classic."
—*The Wall
Street Journal*

*On
Writing*

A MEMOIR OF THE CRAFT

3
First steps

"What should I work on?"

"How about...."

Trending in open source

See what the GitHub community is most excited about this month.

Repositories   Developers

Trending: **this month** ▾

All languages

Unknown languages

C

C++

JavaScript

Objective-C

Python

Ruby

Shell

☰ Other: **Languages** ▾

Homebrew/brew

★ Star

🍺 The missing package manager for macOS

Ruby • 891 stars this month • Built by

fastlane/fastlane

★ Unstar

The easiest way to automate building and releasing your iOS and Android apps

Ruby • 699 stars this month • Built by

jondot/awesome-react-native

★ Star

An "awesome" type curated list of React Native components, news, tools, and learning material

Ruby • 665 stars this month • Built by

ProTip! Looking for
starred Ruby reposit
this search

testdouble/suture

★ Star

These are

complex

Pick the idea for your project

Project is the best. Easier to see the pieces you need.

Plus you have a target

Mine was my website

Wojciech Adam Koszek

Contact

✉ wojciech@koszek.com
🐦 @wkoszek
in LinkedIn
○ Github

RSS

📶 RSS

Subscribe for updates

Enter E-mail here

Subscribe

Tags

books
article

Blog

Jul 25, 2016

Dealing with large jobs on Travis-CI

Jul 11, 2016

What I learned from connecting 60 projects to CI syste

Jun 27, 2016

What Docker really is

May 16, 2016

Use as few tools as possible

Apr 18, 2016

How to ask questions on Stack Overflow?

Website is good = immediate gratification

Small = easy to see all elements

And nobody sees your mistakes

Then publish everything

Most people feel publish = Internet boom and becoming exposed

Truth?

Nobody notices

Use a simple project as a battlefield

GitHub is perfect for this.

Easy to create and to remove repositories

2nd choice: GitLab

Free private repositories

Pretty much everything free

4.
User → Contributor

Become a user 1st is a good idea

You know what you want

Example of the process:

Website

Say to yourself:

"What do I need for my project"

Static page generator

I used Middleman

📖 **middleman** / **middleman**

👁 Watch ▾ 197   ★ Unstar 5,409

<> Code | ⓘ Issues 129 | ⑂ Pull requests 8 | ▦ Projects 0 | ⋀ Pulse | ᕞ Graphs

Hand-crafted frontend development https://middlemanapp.com

◷ **3,159 commits** | ⑂ **10 branches** | ◌ **267 releases** | 👥 **152 contributors** | ⚖ M

Branch: master ▾ | New pull request

Create new file | Upload files | Find file | Clone o

👤 **mvastola** committed with **tdreyno** Updates to support Rails 5, Rack 3 and Sinatra 2 (beta) (#1984) ⋯ Latest commit 7c968b9

📁 .github	move contrib file	8
📁 middleman-cli	Update Ruby version requirement.	2
📁 middleman-core	Updates to support Rails 5, Rack 3 and Sinatra 2 (beta) (#1984)	1
📁 middleman	Update Ruby version requirement.	2
📄 .editorconfig	Forward port some stable changes	
📄 .gitignore	Make global config access work inside steps	6
📄 .rubocop.yml	split up util module, fix some rubocop complaints	8
📄 .travis.yml	Update .travis.yml	2
📄 .yardopts	Improve documentation for Middleman::Extension	
📄 CHANGELOG.md	Fix japanese characters encoding in URLs	3
📄 Gemfile	Updates to support Rails 5, Rack 3 and Sinatra 2 (beta) (#1984)	

hrome

How about I use some plugins?

```ruby
 1 # If you have OpenSSL installed, we recommend updating
 2 # the following line to use "https"
 3 source 'http://rubygems.org'
 4
 5 gem "middleman", "~> 3.3.12"
 6 gem "middleman-blog", "~> 3.5.3"
 7 gem "middleman-blog-drafts"
 8 gem 'middleman-blog-similar'
 9 gem "middleman-minify-html"
10 gem "middleman-deploy"
11 gem "middleman-livereload"
12 gem "middleman-gh-pages"
13 gem "middleman-syntax"
14 gem 'middleman-imageoptim'
15 gem 'middleman-search_engine_sitemap'
16 gem 'middleman-sitemap-ping'
17 gem 'middleman-build-reporter'
18
19 # Let me do spellcheck development easily.
20 if ENV.include?("DEV") then
21   File.delete("middleman-spellcheck")
22   File.symlink("../middleman-spellcheck", "middleman-spellcheck")
23   gem "middleman-spellcheck", '~> 0.9.2', :path => "middleman-spellcheck"
24 else
25   gem "middleman-spellcheck", '~> 0.9.2',
26         :git => "https://github.com/wkoszek/middleman-spellcheck.git",
27         :branch => "nil_words_fix"
28 end
29
30 # HTML/CSS stuff.
31 gem 'bourbon'
32
33 # Testing
34 gem 'capybara'
35 gem 'selenium-webdriver'
36 gem "chromedriver-helper", "0.0.6"
```

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```

<> Code   ⊙ **Issues** 5   ⌥ Pull requests 4   ▦ Projects 0   ▤ Wiki   ⤳ Pulse   �ᵢₗᵢ Graphs

[RFC] we need more debugging printouts #10

Edit

⊙ **Open**   **wkoszek** opened this issue on Oct 10, 2015 · 5 comments

wkoszek commented on Oct 10, 2015   +☺   ✏

Hello,

I enabled `middleman-blog-similar` on my website with this commit:

wkoszek/me@ 2b84795

But I don't have any indication why it picked certain pages. It somehow generated similar result for every page. You can observe it here:

http://www.koszek.com/

Click on any 3-4 links, scroll to "You may also like" section. Choices picked:

```
01001011, or on the art of snare drum patterns
How to write a good Google Summer of Code Proposals
Funny mistakes and The Toyota Way
Fixing Middleman-spellcheck
Why it's not about self-driving
```

and they're the same for every page.

Projects

None yet

Labels

None yet

Milestone

No milestone

Assignees

No one assigned

2 participants

Notifications

🔇× Unsubscr

You're receiving notific

ome

Projects

None yet

Labels

None yet

Milestone

No milestone

Assignees

No one assigned

2 participants

Notifications

ngs commented on Oct 10, 2015

Owner

The default algorithm looks up similar articles by strings from article body by spaces.

How about using TreeTagger instead?

wkoszek commented on Oct 11, 2015

I just tried TreeTagger. I have it enabled with:

```
+activate :similar, :algorithm => :'word_frequency/tree_tagger'
```

and I did the TreeTagger installation steps from the README.md. Results are similar. 1 thing I see:

- blog entries tagged as `articles` all have the same "similar" articles
- blog entries tagged as `books` all have the same "similar articles"

Is this normal? Do you have any other website where I could see `middleman-blog-similar` used?

wkoszek commented on Oct 19, 2015

@ngs ping. :-)

wkoszek commented on Nov 3, 2015

@ngs Ping. I didn't really get any better results with Tree Trigger. Do you think we could work on an improved documentation? I'd like to try 2 strategies:

- random selection
- semi-random based on tags of articles.

hrome

No answer. Probably project is dead

Next

Spellchecker?

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1 # If you have OpenSSL installed, we recommend updating
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7 gem "middleman-blog-drafts"
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9 gem "middleman-minify-html"
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34 gem 'capybara'
35 gem 'selenium-webdriver'
36 gem "chromedriver-helper", "0.0.6"
```

📖 **minivan** / **middleman-spellcheck**

👁 Watch ▾ | 1   ★ Unstar | 11   ⑂

<> Code   ⊘ Issues **7**   Pull requests **1**   Projects **0**   Wiki   Pulse   Graphs

Spellcheck is pulling out all kinds of words that are spelled correctly #7

Ne

🚫 **Closed**   **superkinz** opened this issue on Jul 17, 2014 · 9 comments

superkinz commented on Jul 17, 2014   +😊

When I run my build, it's alerting me to all kinds of words which are clearly properly spelled. See image. Any idea why it's identifying basically every word as misspelled?

```
misspell   The word 'it' is misspelled
misspell   The word 'do' is misspelled
misspell   The word 'for' is misspelled
misspell   The word 'me' is misspelled
misspell   The word 'Mostly' is misspelled
misspell   The word 'it' is misspelled
misspell   The word 'will' is misspelled
misspell   The word 'help' is misspelled
misspell   The word 'you' is misspelled
misspell   The word 'keep' is misspelled
misspell   The word 'from' is misspelled
misspell   The word 'embarrassing' is misspelled
misspell   The word 'mistakes' is misspelled
misspell   The word 'where' is misspelled
misspell   The word 'you' is misspelled
misspell   The word 'either' is misspelled
misspell   The word 'forget' is misspelled
misspell   The word 'to' is misspelled
misspell   The word 'personalize' is misspelled
```

Projects

None yet

Labels

None yet

Milestone

No milestone

Assignees

No one assigned

4 participants

minivan / middleman-spellcheck

Watch ▾   1

<> Code   ⊙ Issues **7**   ⋔ Pull requests **1**   ▥ Projects **0**   ▤ Wiki   ⋏ Pulse   �ᴸ Graphs

Fixes #7 and add some more functions. #12

⋔ **Merged**   **minivan** merged 7 commits into `minivan:master` from `wkoszek:master` on Jun 21, 2015

⌯ Conversation **1**   ⊶ Commits **7**   ⊡ Files changed **3**

wkoszek commented on Jun 20, 2015   + 😀   ✎   Pr

No description provided.   No

La

No

wkoszek added some commits on Jun 6, 2015

Add :lang option for specifying language of the aspell dictionary.   866b628

Be consistent with Spellchecker class and call language "lang", not d… …   29cf079   Mi

No

Be more strict about language specification.   6f50446

Bring an ability for middleman-spellcheck to use its own custom command …   1d86b29   As

No

Fix issue 7 by re-doing data passing to aspell. …   0eda696

📖 minivan / **middleman-spellcheck**

👁 Watch ▾ | 1

<> Code   ⓘ Issues **7**   ⑂ Pull requests **1**   ▥ Projects **0**   📖 Wiki   ⌁ Pulse   📊 Graphs

Fixes #7 and add some more functions #12

⑂ **Merged**

💬 Convers

minivan commented on Jun 21, 2015

Thanks a lot!

wkoszek added some commits on Jun 6, 2015

◇— Add :lang option for specifying language of the aspell dictionary.   866b628

◇— Be consistent with Spellchecker class and call language "lang", not   29cf079
       d… …

◇— Be more strict about language specification.   6f50446

◇— Bring an ability for middleman-spellcheck to use its own custom   1d86b29
       command …

◇— Fix issue 7 by re-doing data passing to aspell. …   0eda696

Spellcheck-allowed from each article's frontmatter #18

⑂ Merged   **minivan** merged 16 commits into `minivan:master` from `wkoszek:frontmatter_spell` on Nov 18, 2015

💬 **Conversation** 1   ◇ **Commits** 16   📄 **Files changed** 3

wkoszek commented on Nov 10, 2015   + 😀 ✏️

Fixes issue #14

I want to be able to white-list some words on the per-article basis. I use `spellcheck-allow` for this.
Basically the user specifies the words she/he reviewed and knows they're fine.

wkoszek added some commits on Oct 28, 2015

◦ Add author section   400c846
◦ Merge branch 'master' of github.com:minivan/middleman-spellcheck   b52cd21
◦ Add spellcheck-allow keyword to the frontmatter.   a5194b2
◦ Add some documentation for spellcheck-allowed.   c2618ee

✏️ **wkoszek** changed the title from **Frontmatter spell** to **Spellcheck-allowed from each article's frontmatter** on Nov 10, 2015

Spellcheck-allowed from each article's frontmatter #18

Merged **minivan** merged 16 commits into `minivan:master` from `wkoszek:frontmatter_spell` on Nov 18, 2015

💬 Conversation 1   ⊷ Commits 16   📄 Files changed 3

wkoszek commented on Nov 10, 2015

Fixes issue #14

I want to be able ... ...pellcheck-allow for this.
Basically the us... ...fine.

⊷ Fix spacing issue

minivan commented on Nov 18, 2015

This is great! Thanks a lot!

minivan merged commit **e0983ea** into `minivan:maste`

wkoszek a...

🔲 Add author section   400c846

⊷ 🔲 Merge branch 'master' of github.com:minivan/middleman-spellcheck   b52cd21

⊷ 🔲 Add spellcheck-allow keyword to the frontmatter.   a5194b2

⊷ 🔲 Add some documentation for spellcheck-allowed.   c2618ee

🔲 **wkoszek** changed the title from **Frontmatter spell** to **Spellcheck-allowed from each article's frontmatter** on Nov 10, 2015

5
How to communicate

Software > Code

Bug database

Be polite

Agile board (kanban)

GitHub "Projects"

Documentation

Extremely important

Tests

Translations

Promotional material

For companies:

Ask peers around you

Ask your Legal Team first!

Experiences from the current company:

Amount of value from open source = gigantic

Most of the custom stuff we added could/will be open sourced

Already taking advantage from CocoaPods/Homebrew

5
Summary

Start small

Your projects and then small open source stuff

At least that's
what I did

Then you'll have more work than you want

Overview   Repositories 97

Search repositories...

21 results for **forked** repositories

Current pet project

```ruby
pod 'Fabric'
pod 'Crashlytics'

pod 'AWSCore'
pod 'AWSS3'
pod 'AWSCognito'

pod "Lock", :inhibit_warnings => true
pod "JWTDecode"
pod "SimpleKeychain"

pod "NSLogger"

pod 'GBDeviceInfo', '~> 3.5'
pod 'BZipCompression', '~> 1.0.0'
pod "MPMessagePack"
pod 'JTCalendar', '~> 2.0'

pod 'InAppSettingsKit'
pod 'DZNEmptyDataSet'
pod 'GCNetworkReachability'
pod 'GroundControl', :git => 'https://github.com/wkoszek/GroundControl.git'

pod 'FontAwesome+iOS'
pod 'Whisper'
pod "Realm"
```

the end