

VISUALIZE YOUR GIT

<https://github.com/heim/visualize-your-git>

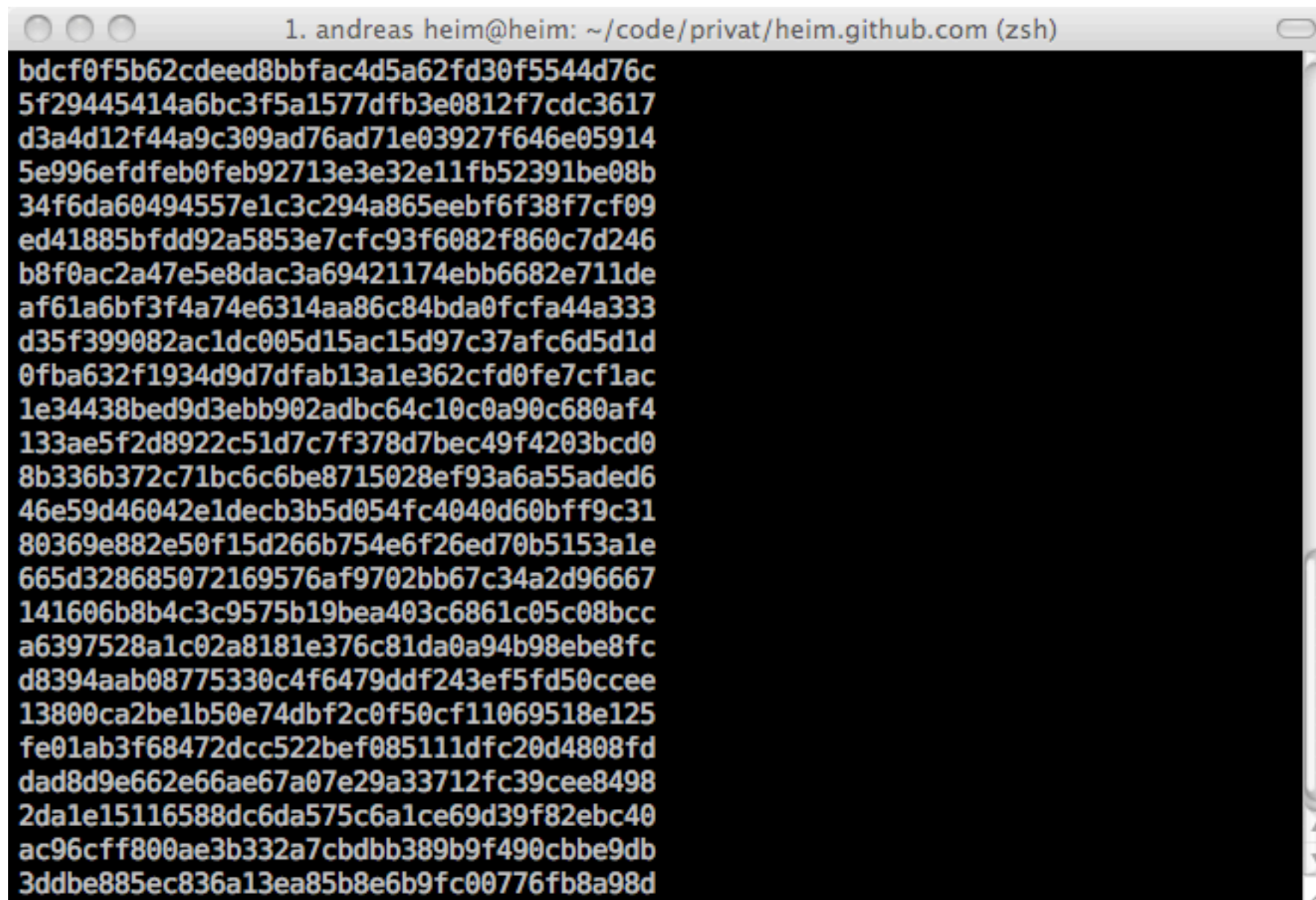
DevopsDays Rome 2012

Andreas Heim - @heim - heim.no

BEKK Consulting

size over time

git rev-list --reverse HEAD

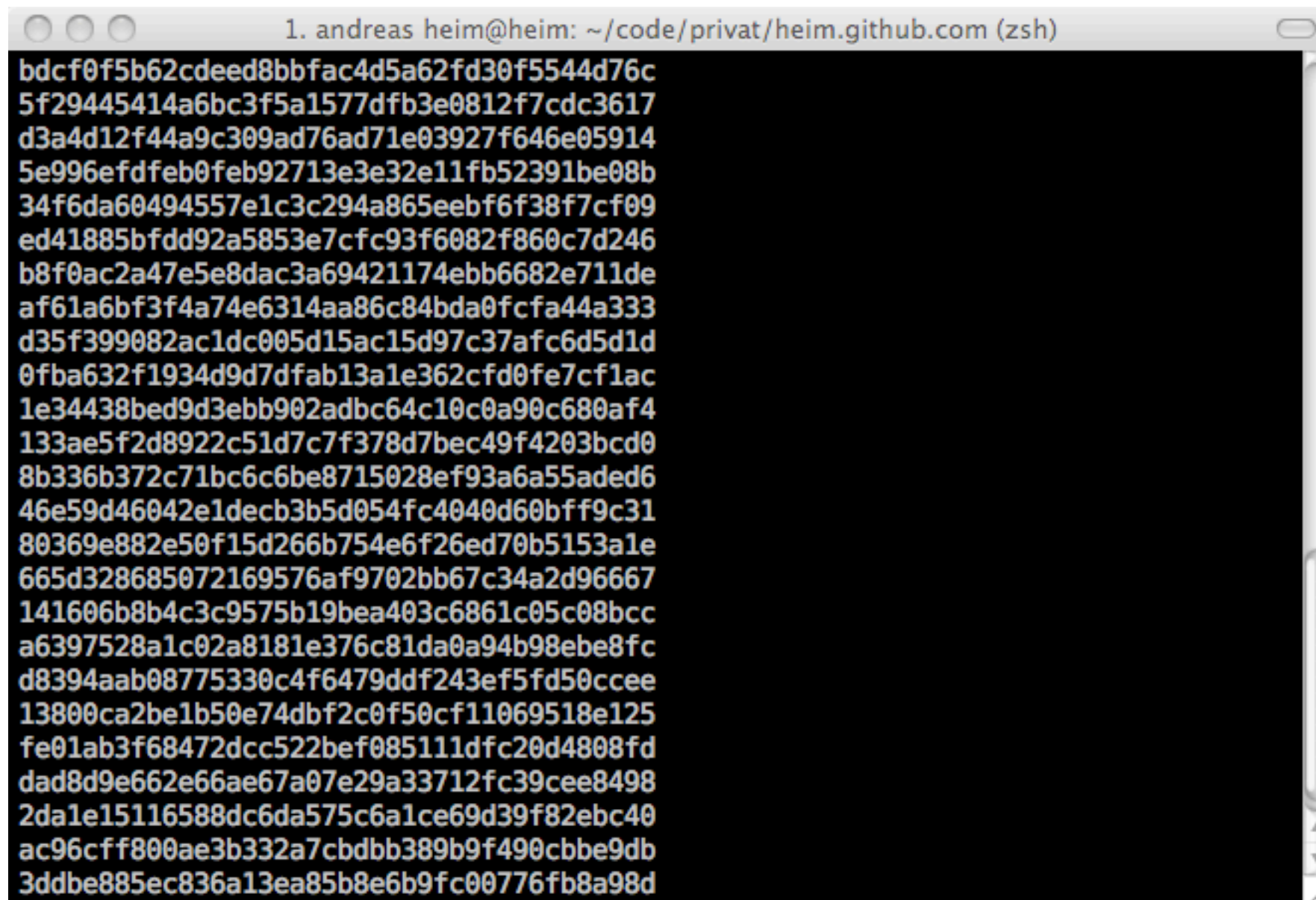


```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c
5f29445414a6bc3f5a1577dfb3e0812f7cdc3617
d3a4d12f44a9c309ad76ad71e03927f646e05914
5e996efdfefb92713e3e32e11fb52391be08b
34f6da60494557e1c3c294a865eebf6f38f7cf09
ed41885bfdd92a5853e7cfc93f6082f860c7d246
b8f0ac2a47e5e8dac3a69421174ebb6682e711de
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333
d35f399082ac1dc005d15ac15d97c37afc6d5d1d
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac
1e34438bed9d3ebb902adbc64c10c0a90c680af4
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0
8b336b372c71bc6c6be8715028ef93a6a55aded6
46e59d46042e1dec3b5d054fc4040d60bff9c31
80369e882e50f15d266b754e6f26ed70b5153a1e
665d328685072169576af9702bb67c34a2d96667
141606b8b4c3c9575b19bea403c6861c05c08bcc
a6397528a1c02a8181e376c81da0a94b98ebe8fc
d8394aab08775330c4f6479ddf243ef5fd50ccee
13800ca2be1b50e74dbf2c0f50cf11069518e125
fe01ab3f68472dcc522bef085111dfc20d4808fd
dad8d9e662e66ae67a07e29a33712fc39cee8498
2da1e15116588dc6da575c6a1ce69d39f82ebc40
ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
```

git ls-tree -r 0fba632f1934

```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
100644 blob 704b80392b19c421d7b8a2674ec2b12260fae2e4 _includes/JB/comments-pr
providers/livefyre
100644 blob a5c178323ebf5d0fdf15318271f79fc22e6c37e5 _includes/JB/liquid_raw
100644 blob 42f827a8c74e16909395b9823637cdd64edfb08d _includes/JB/pages_list
100644 blob f612ade871af7280dfc32727d0f6f4922c792f64 _includes/JB/posts_colla
te
100644 blob efcd84b002a6cd4aac9b6c2ae74c84fd7e9c16b4 _includes/JB/setup
100644 blob f5b11518bd2e5ca9636ad6c7f474f16379f34e90 _includes/JB/sharing
100644 blob 871fa5be42bc0acbcef9cf56e7b5418ceae3de39 _includes/JB/tags_list
100644 blob 0337f5380a0e34d57a5629f66661b803452d802c _includes/themes/heim/de
fault.html
100644 blob 8c753b9285bfd76d1f7f38e2047a89bceff7cdac _includes/themes/heim/pa
ge.html
100644 blob 088407acc901b4d1d2ae082cbadf82dbdb176e6d _includes/themes/heim/po
st.html
100644 blob 787d30601cace3b8734946a8e9a9e6cdf876c788 _includes/themes/heim/se
tings.yml
100644 blob 45d0ba37d612bf7e0cafbf0ee2c960b46eab93bf _layouts/default.html
100644 blob 4a80f5efcaab33a7f4987ae359c0dd63ddc36001 _layouts/page.html
100644 blob 8b7726d4f3ca19b81ca123b0016111c0be6ea6a _layouts/post.html
100644 blob e69de29bb2d1d6434b8b29ae775ad8c2e48c5391 _plugins/.gitkeep
100644 blob e1dde3979ad59866f26d7d50cd45a315c74d57ac _plugins/debug.rb
100644 blob e69de29bb2d1d6434b8b29ae775ad8c2e48c5391 _posts/.gitkeep
100644 blob 3a1aeba669f43b4de056422a1e633bc029e2f818 _posts/2012-04-12-some-s
mall-vim-tips.md
```


`git ls-tree -r <rev> | awk '{print $3}'`



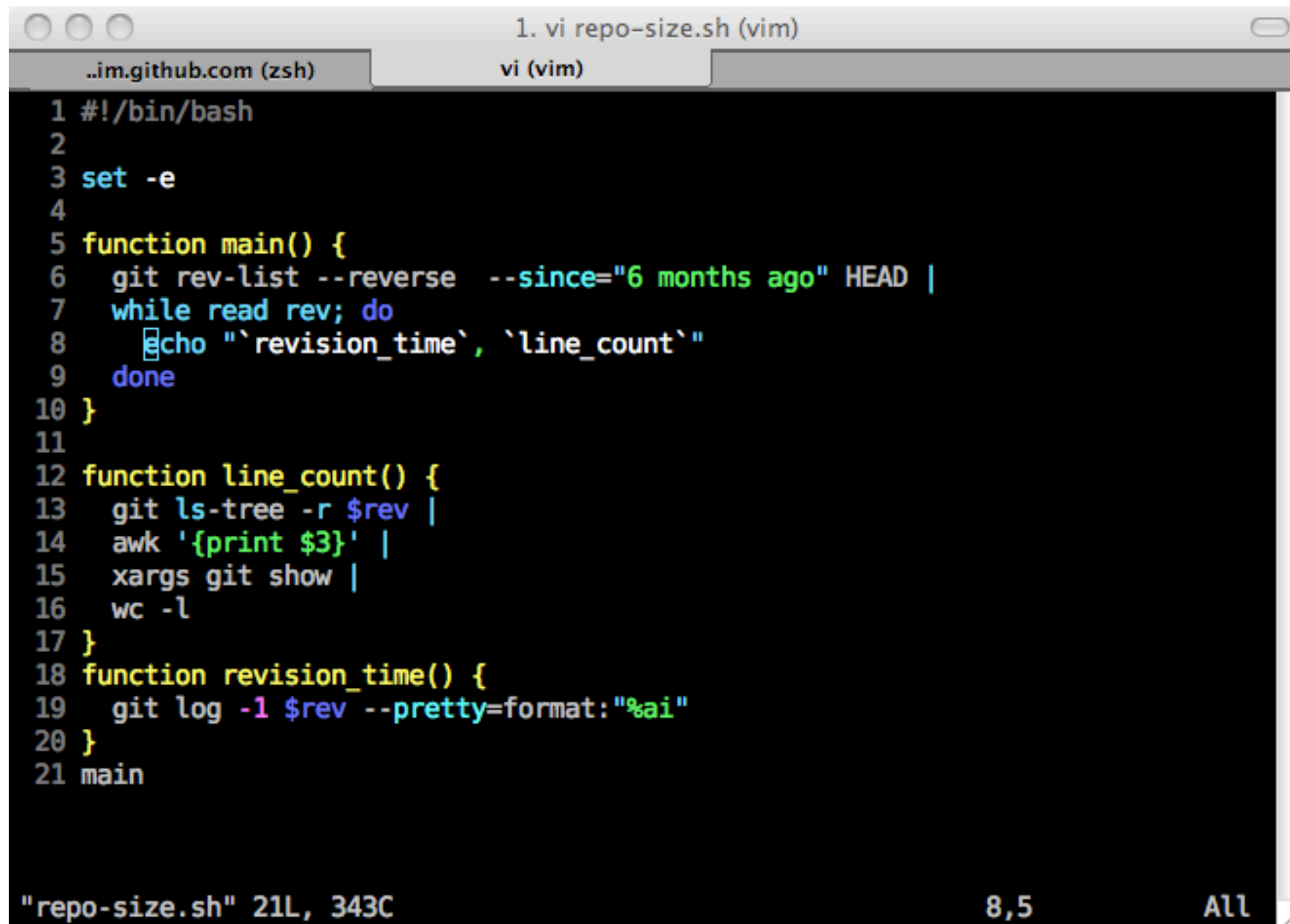
A terminal window with a title bar that reads "1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)". The terminal displays a long list of 40-line SHA-1 hashes, which are the output of the command `git ls-tree -r <rev> | awk '{print $3}'`. The hashes are listed in a single column, separated by newlines. The window has standard macOS window controls (red, yellow, green buttons) in the top-left corner and a scrollbar on the right side.

```
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c
5f29445414a6bc3f5a1577dfb3e0812f7cdc3617
d3a4d12f44a9c309ad76ad71e03927f646e05914
5e996efdfef0feb92713e3e32e11fb52391be08b
34f6da60494557e1c3c294a865eebf6f38f7cf09
ed41885bfdd92a5853e7cfc93f6082f860c7d246
b8f0ac2a47e5e8dac3a69421174ebb6682e711de
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333
d35f399082ac1dc005d15ac15d97c37afc6d5d1d
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac
1e34438bed9d3ebb902adbc64c10c0a90c680af4
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0
8b336b372c71bc6c6be8715028ef93a6a55aded6
46e59d46042e1dec3b5d054fc4040d60bff9c31
80369e882e50f15d266b754e6f26ed70b5153a1e
665d328685072169576af9702bb67c34a2d96667
141606b8b4c3c9575b19bea403c6861c05c08bcc
a6397528a1c02a8181e376c81da0a94b98ebe8fc
d8394aab08775330c4f6479ddf243ef5fd50ccee
13800ca2be1b50e74dbf2c0f50cf11069518e125
fe01ab3f68472dcc522bef085111dfc20d4808fd
dad8d9e662e66ae67a07e29a33712fc39cee8498
2da1e15116588dc6da575c6a1ce69d39f82ebc40
ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
```

git ls-tree -r <rev> | awk '{print \$3}' |
xargs git show | wc -l

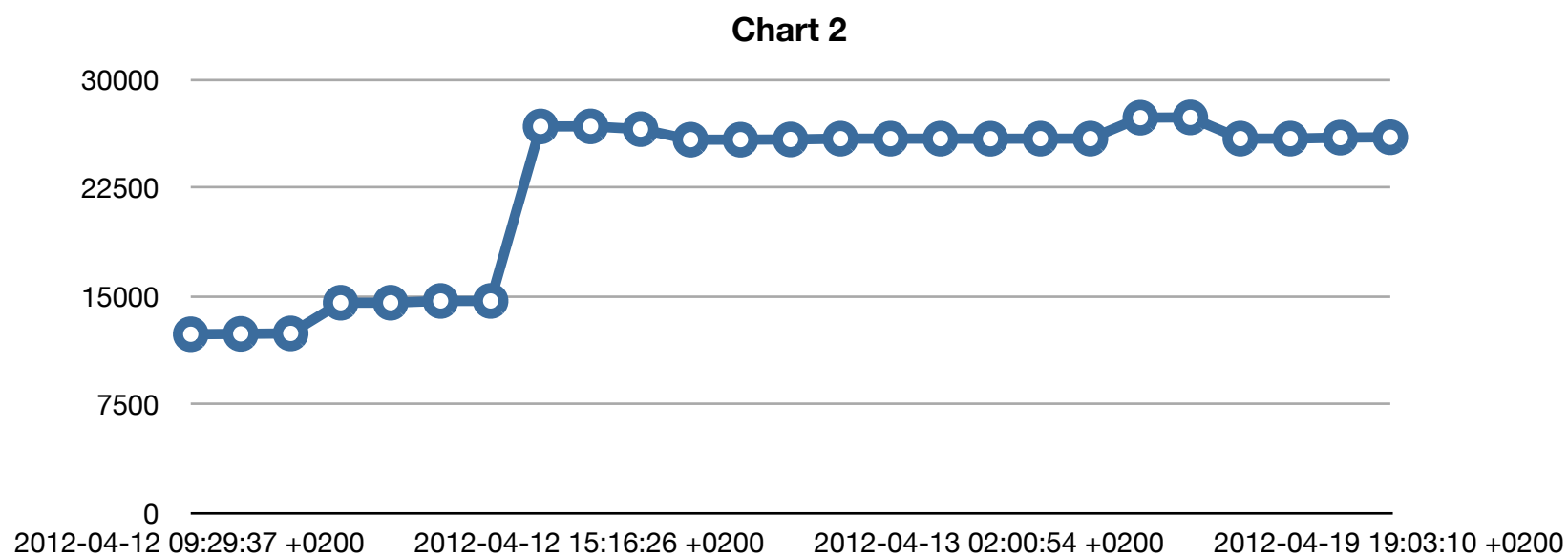
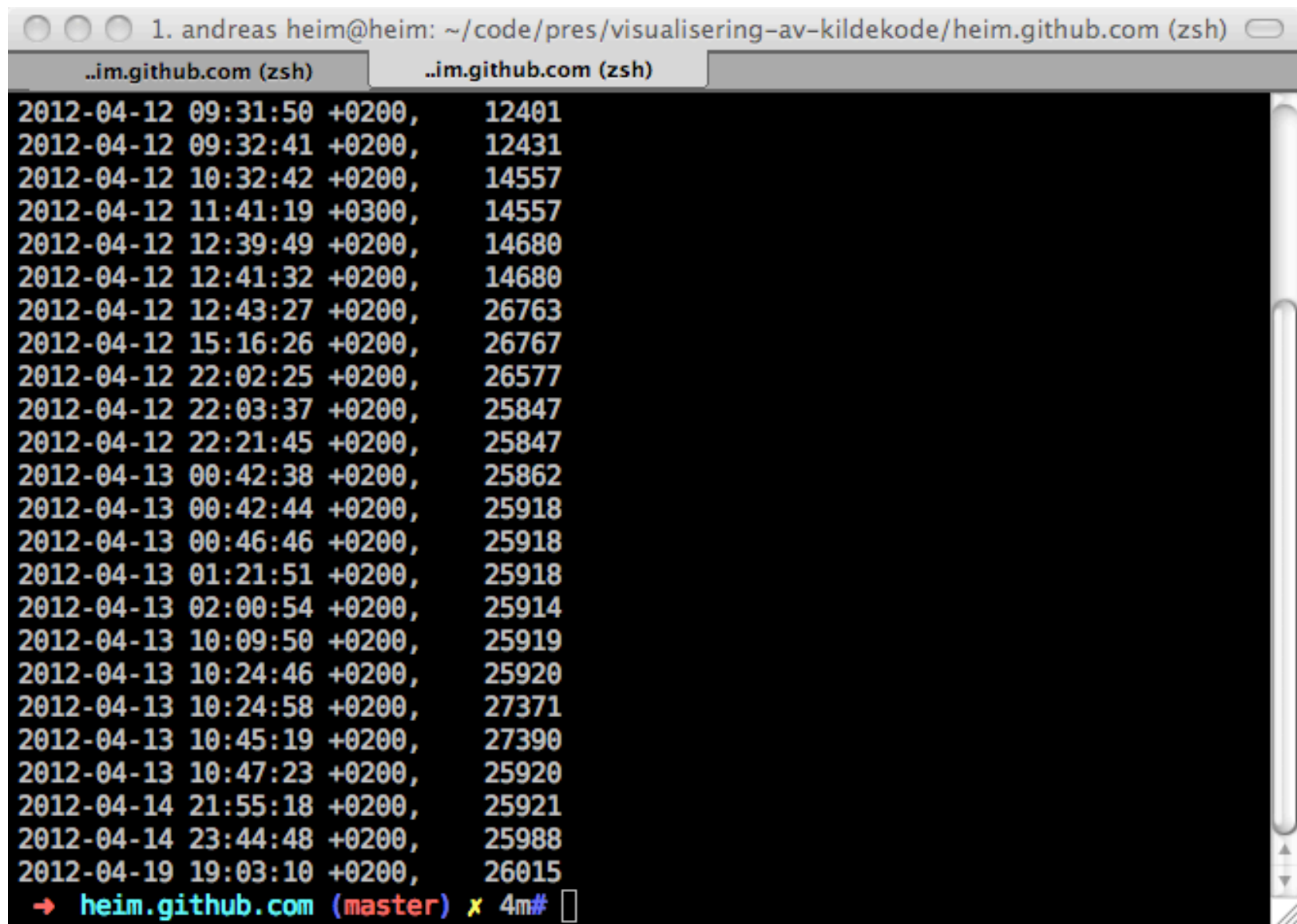


```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
→ heim.github.com (master) x 4m# git ls-tree -r d35f399082ac1dc005d15ac15d97c3
7afc6d5d1d | awk '{print $3}' | xargs git show | wc -l
26767
→ heim.github.com (master) x 4m#
```

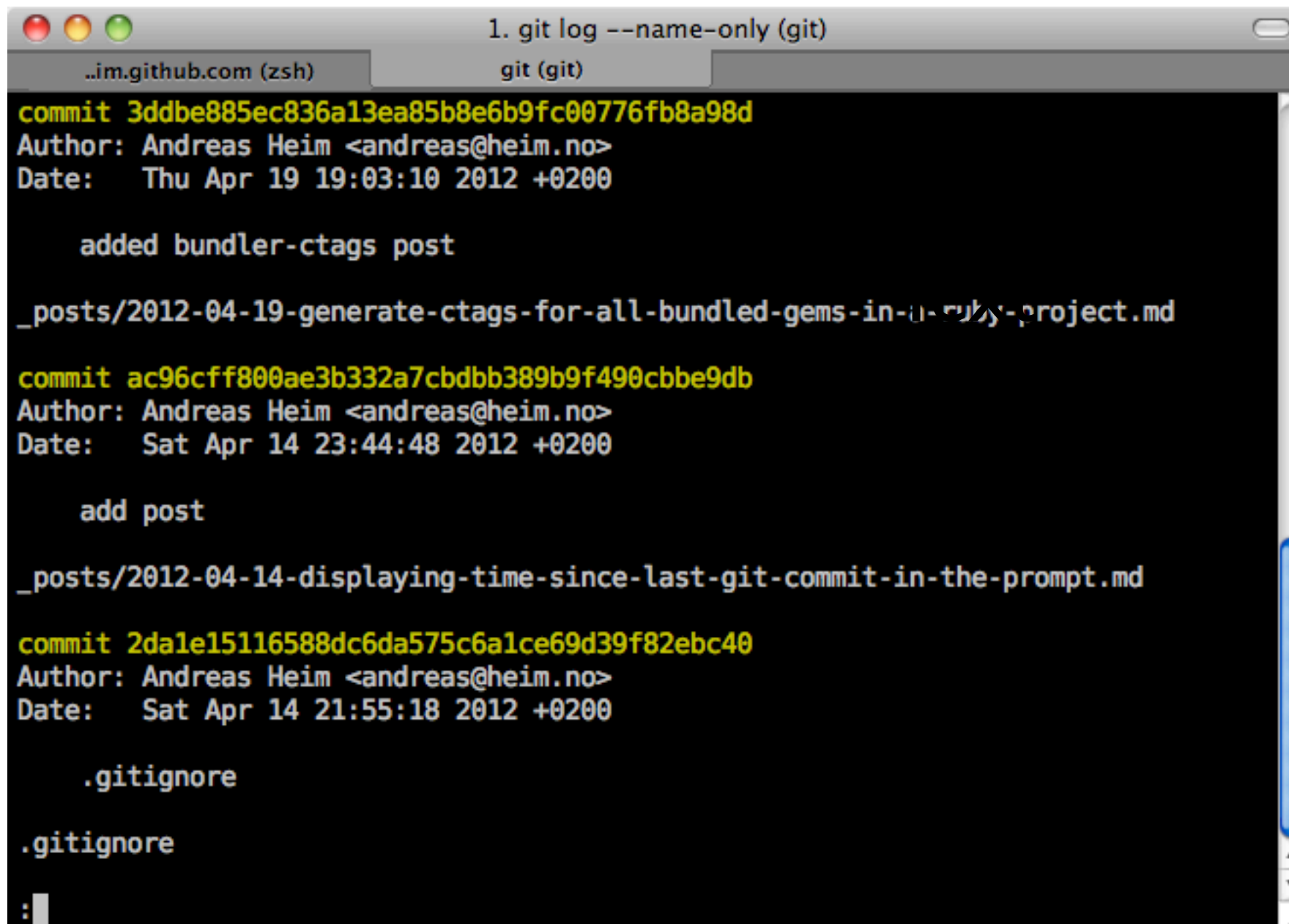


```
1. vi repo-size.sh (vim)
..im.github.com (zsh)  vi (vim)
1 #!/bin/bash
2
3 set -e
4
5 function main() {
6     git rev-list --reverse --since="6 months ago" HEAD |
7     while read rev; do
8         echo "`revision_time`, `line_count`"
9     done
10 }
11
12 function line_count() {
13     git ls-tree -r $rev |
14     awk '{print $3}' |
15     xargs git show |
16     wc -l
17 }
18 function revision_time() {
19     git log -1 $rev --pretty=format:"%ai"
20 }
21 main

"repo-size.sh" 21L, 343C 8,5 All
```



git log --name-only

A terminal window titled "1. git log --name-only (git)" with tabs for "..im.github.com (zsh)" and "git (git)". The output shows three commits by Andreas Heim. The first commit (3ddb85ec) added a post about generating ctags. The second (ac96cff) added a post about displaying time since last commit. The third (2da1e15) added a .gitignore file.

```
commit 3ddb85ec836a13ea85b8e6b9fc00776fb8a98d
Author: Andreas Heim <andreas@heim.no>
Date: Thu Apr 19 19:03:10 2012 +0200

    added bundler-ctags post

_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md

commit ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 23:44:48 2012 +0200

    add post

_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

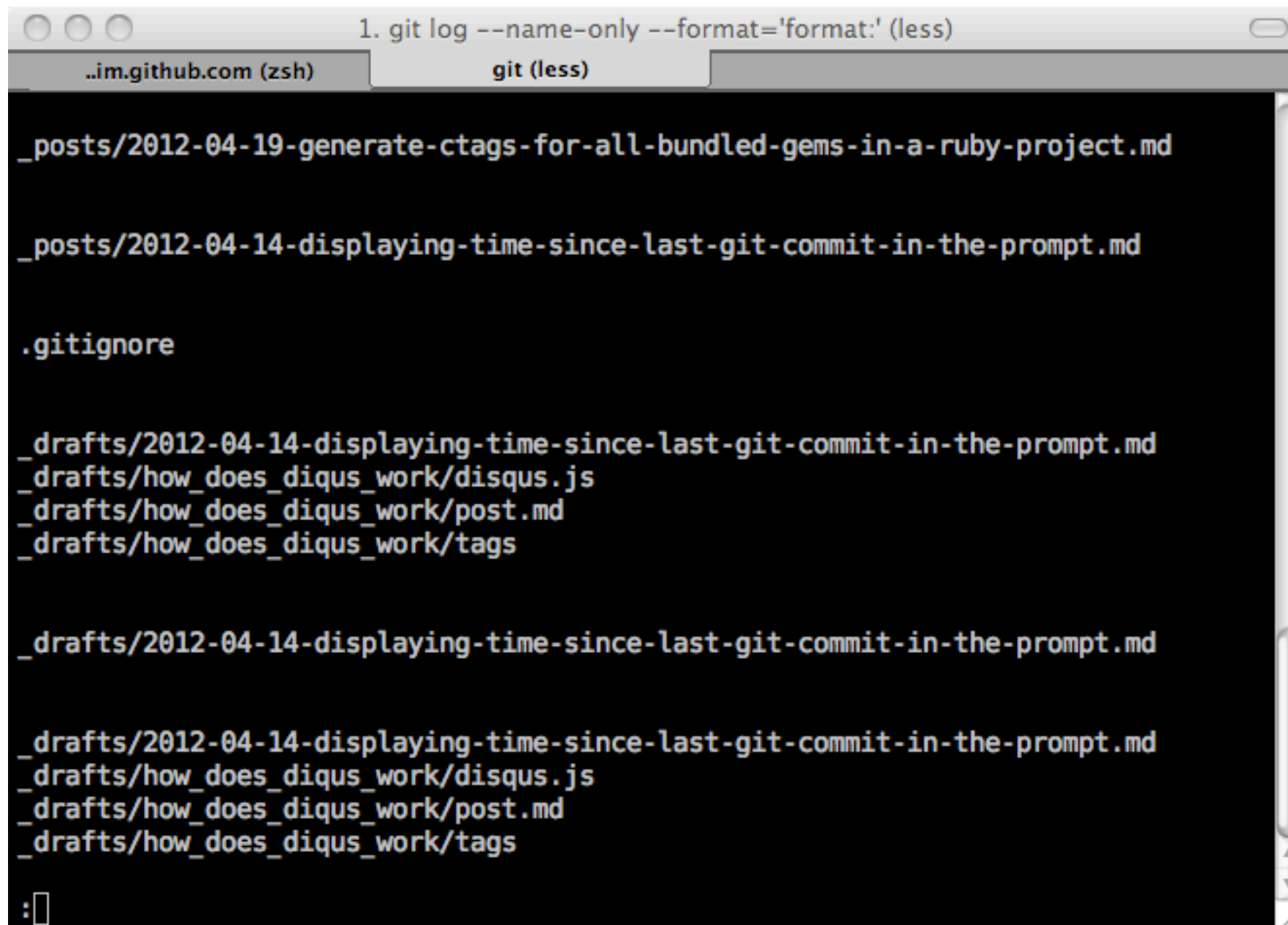
commit 2da1e15116588dc6da575c6a1ce69d39f82ebc40
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 21:55:18 2012 +0200

    .gitignore

.gitignore

:
```


git log --name-only -M -C --format='format:'



```
1. git log --name-only --format='format:' (less)
..im.github.com (zsh)  git (less)

_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md

_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

.gitignore

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

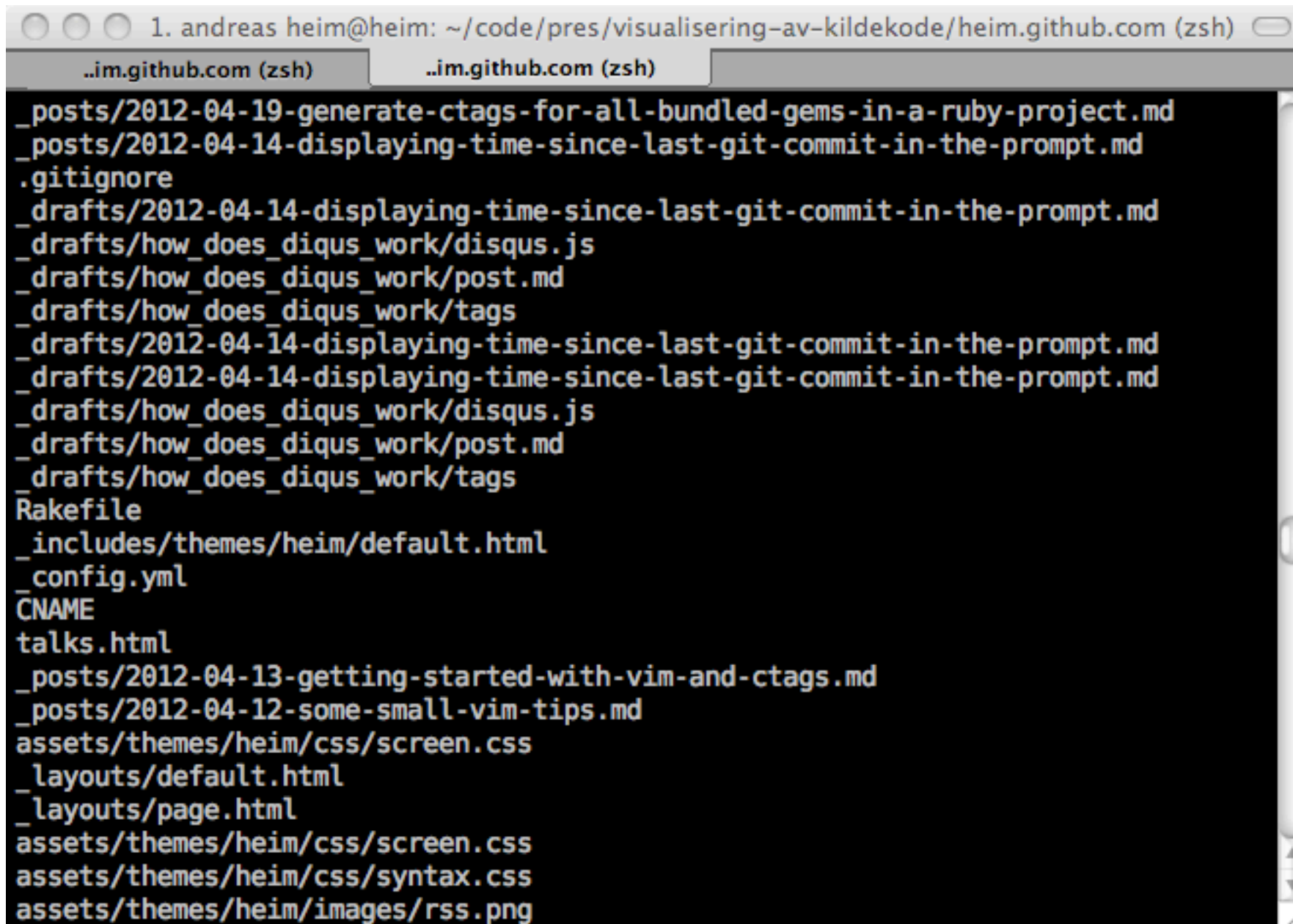
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

: 
```

-M = renames

-C = copies

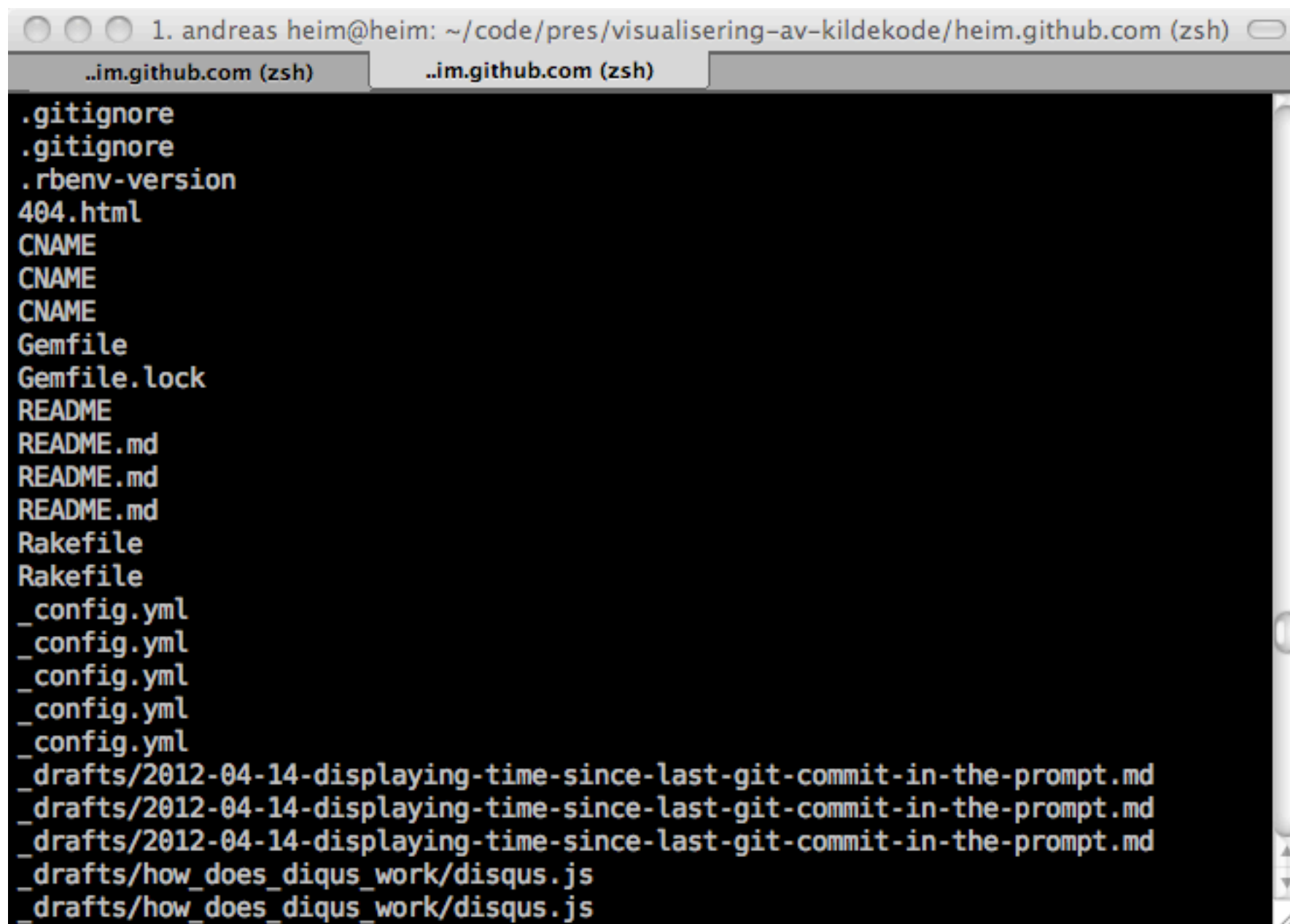
git log --name-only -M -C --format='format:' |
grep -v '^\$'



A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". There are two tabs open, both labeled "..im.github.com (zsh)". The terminal displays the output of the command "git log --name-only -M -C --format='format:' | grep -v '^\$'", which lists various files and directories. The output includes paths like "_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md", ".gitignore", "_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md", "_drafts/how_does_diquis_work/disqus.js", "_drafts/how_does_diquis_work/post.md", "_drafts/how_does_diquis_work/tags", "Rakefile", "_includes/themes/heim/default.html", "_config.yml", "CNAME", "talks.html", "_posts/2012-04-13-getting-started-with-vim-and-ctags.md", "_posts/2012-04-12-some-small-vim-tips.md", "assets/themes/heim/css/screen.css", "_layouts/default.html", "_layouts/page.html", "assets/themes/heim/css/syntax.css", and "assets/themes/heim/images/rss.png".

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)
..im.github.com (zsh) ..im.github.com (zsh)
_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md
_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
.gitignore
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags
Rakefile
_includes/themes/heim/default.html
_config.yml
CNAME
talks.html
_posts/2012-04-13-getting-started-with-vim-and-ctags.md
_posts/2012-04-12-some-small-vim-tips.md
assets/themes/heim/css/screen.css
_layouts/default.html
_layouts/page.html
assets/themes/heim/css/screen.css
assets/themes/heim/css/syntax.css
assets/themes/heim/images/rss.png
```

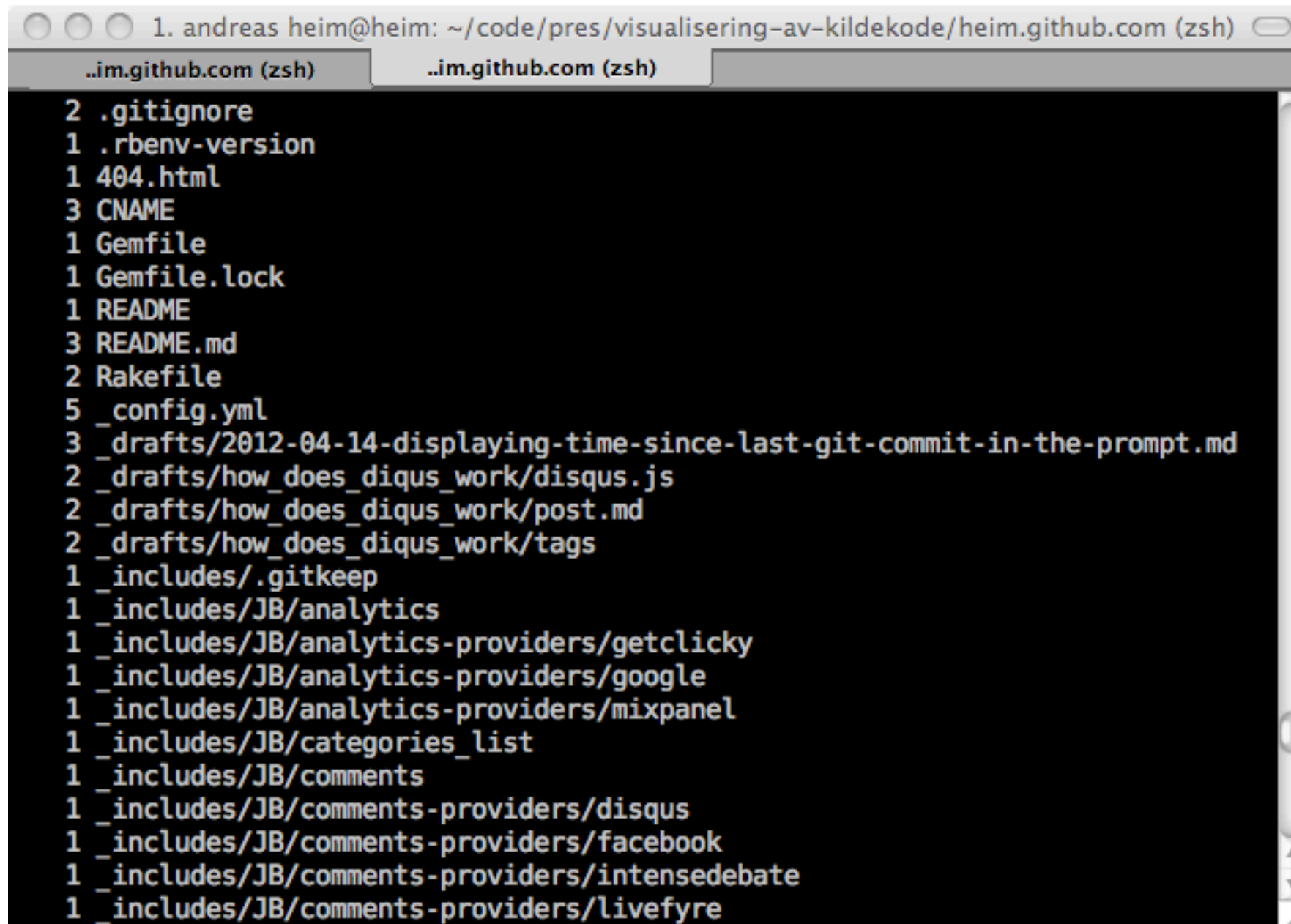
git log --name-only -M -C --format='format:' |
grep -v '^\$' | sort



A terminal window with a dark background and light-colored text. The window title bar shows the path `1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)`. Below the title bar, there are two tabs, both labeled `..im.github.com (zsh)`. The terminal displays the output of the command `git log --name-only -M -C --format='format:' | grep -v '^$' | sort`. The output is a list of file names, including `.gitignore`, `.rbenv-version`, `404.html`, `CNAME`, `Gemfile`, `Gemfile.lock`, `README`, `README.md`, `Rakefile`, `_config.yml`, and several draft files in the `_drafts/` directory. The list is sorted alphabetically.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)
..im.github.com (zsh) ..im.github.com (zsh)
.gitignore
.gitignore
.rbenv-version
404.html
CNAME
CNAME
CNAME
Gemfile
Gemfile.lock
README
README.md
README.md
README.md
Rakefile
Rakefile
_config.yml
_config.yml
_config.yml
_config.yml
_config.yml
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/diquis.js
_drafts/how_does_diquis_work/diquis.js
```

```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c
```

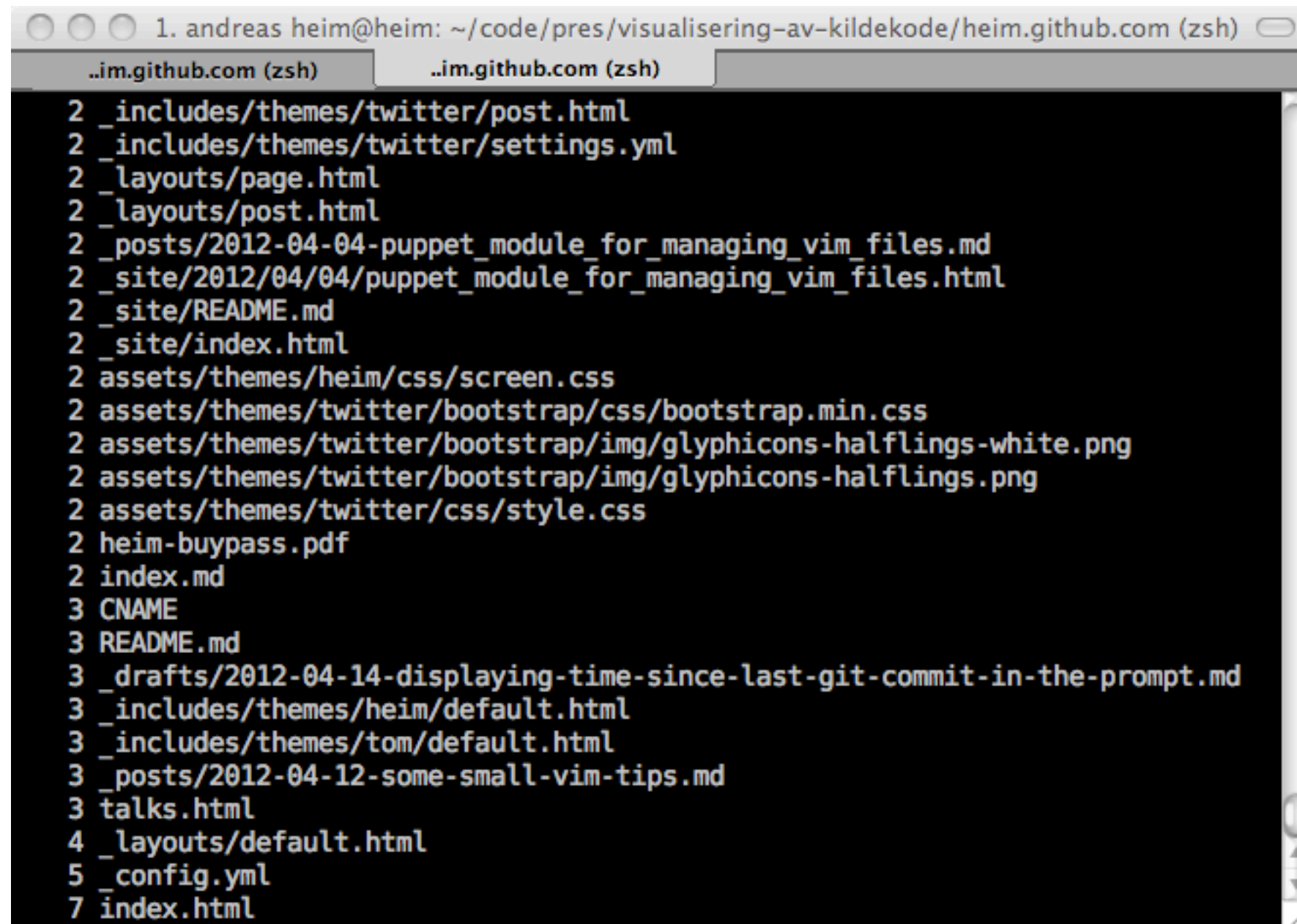


A terminal window with a title bar showing the command prompt and file path. The terminal displays the output of a git log command, listing files and their commit counts. The output is as follows:

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
..im.github.com (zsh) ..im.github.com (zsh)  
2 .gitignore  
1 .rbenv-version  
1 404.html  
3 CNAME  
1 Gemfile  
1 Gemfile.lock  
1 README  
3 README.md  
2 Rakefile  
5 _config.yml  
3 _drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
2 _drafts/how_does_diquis_work/diquis.js  
2 _drafts/how_does_diquis_work/post.md  
2 _drafts/how_does_diquis_work/tags  
1 _includes/.gitkeep  
1 _includes/JB/analytics  
1 _includes/JB/analytics-providers/getclicky  
1 _includes/JB/analytics-providers/google  
1 _includes/JB/analytics-providers/mixpanel  
1 _includes/JB/categories_list  
1 _includes/JB/comments  
1 _includes/JB/comments-providers/disqus  
1 _includes/JB/comments-providers/facebook  
1 _includes/JB/comments-providers/intensedebate  
1 _includes/JB/comments-providers/livefyre
```



```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c | sort
```

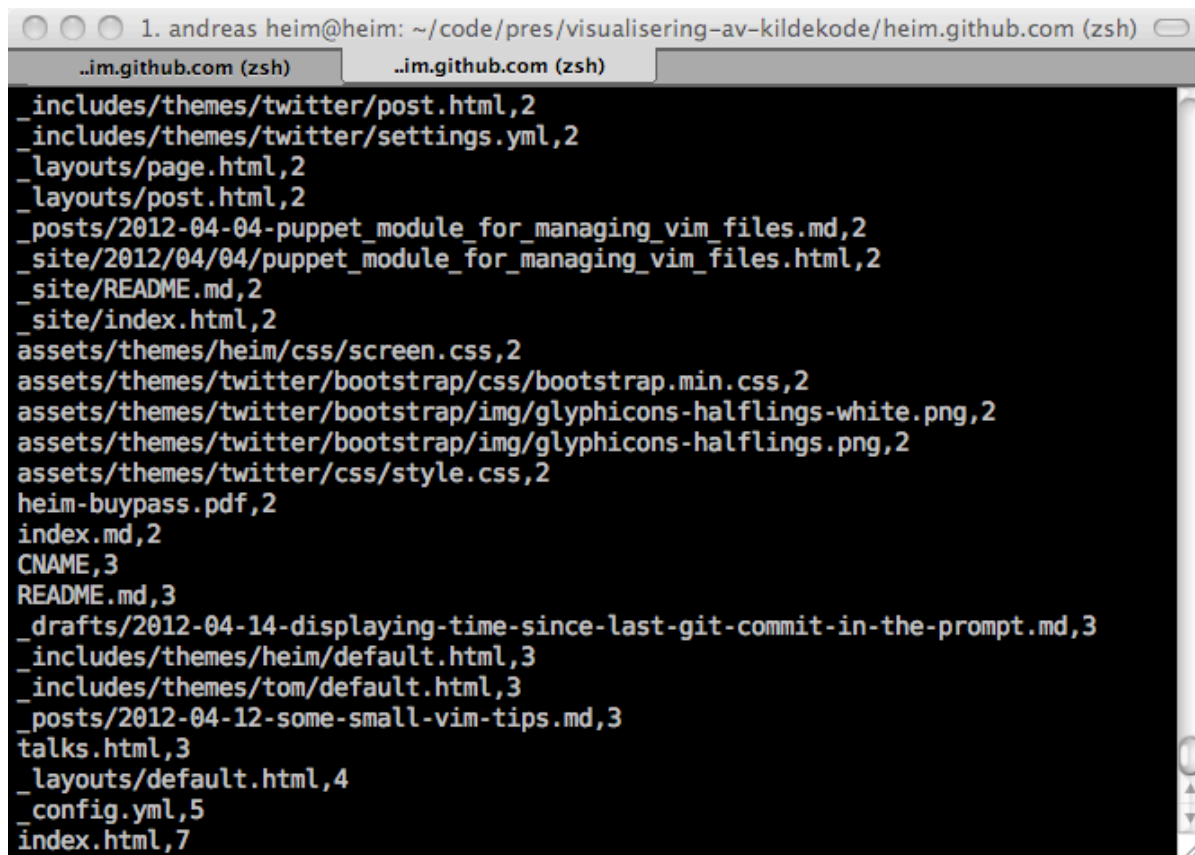


A terminal window with a dark background and light-colored text. The window title bar shows '1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)'. Below the title bar, there are two tabs, both labeled '..im.github.com (zsh)'. The main area of the terminal displays the output of the command 'git log --name-only -M -C --format='format:' | grep -v '^\$' | sort | uniq -c | sort'. The output is a list of files, each preceded by a count indicating the number of commits that modified it. The files are sorted by the number of commits in descending order. The list includes: 2 _includes/themes/twitter/post.html, 2 _includes/themes/twitter/settings.yml, 2 _layouts/page.html, 2 _layouts/post.html, 2 _posts/2012-04-04-puppet_module_for_managing_vim_files.md, 2 _site/2012/04/04/puppet_module_for_managing_vim_files.html, 2 _site/README.md, 2 _site/index.html, 2 assets/themes/heim/css/screen.css, 2 assets/themes/twitter/bootstrap/css/bootstrap.min.css, 2 assets/themes/twitter/bootstrap/img/glyphicons-halflings-white.png, 2 assets/themes/twitter/bootstrap/img/glyphicons-halflings.png, 2 assets/themes/twitter/css/style.css, 2 heim-buypass.pdf, 2 index.md, 3 CNAME, 3 README.md, 3 _drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md, 3 _includes/themes/heim/default.html, 3 _includes/themes/tom/default.html, 3 _posts/2012-04-12-some-small-vim-tips.md, 3 talks.html, 4 _layouts/default.html, 5 _config.yml, and 7 index.html.

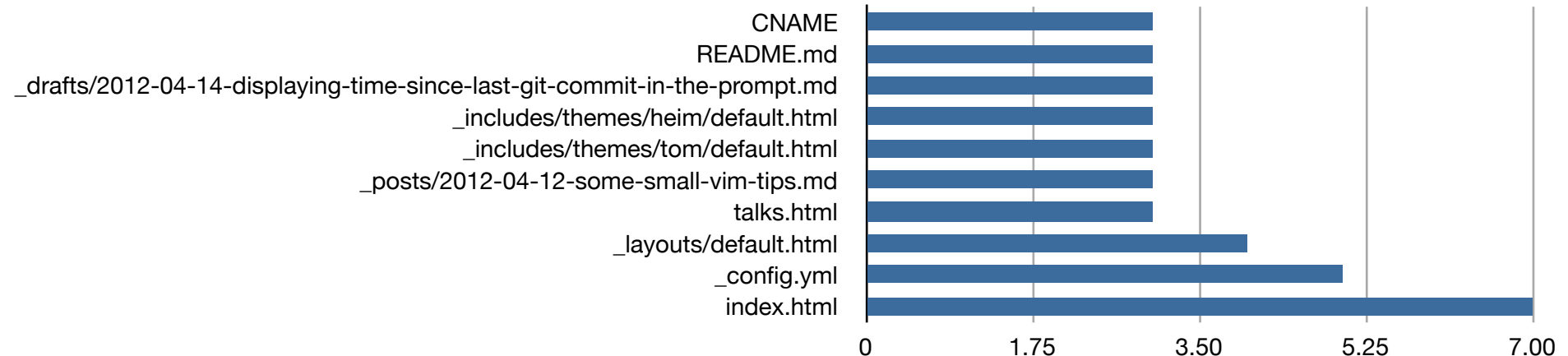
```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
..im.github.com (zsh) ..im.github.com (zsh)  
2 _includes/themes/twitter/post.html  
2 _includes/themes/twitter/settings.yml  
2 _layouts/page.html  
2 _layouts/post.html  
2 _posts/2012-04-04-puppet_module_for_managing_vim_files.md  
2 _site/2012/04/04/puppet_module_for_managing_vim_files.html  
2 _site/README.md  
2 _site/index.html  
2 assets/themes/heim/css/screen.css  
2 assets/themes/twitter/bootstrap/css/bootstrap.min.css  
2 assets/themes/twitter/bootstrap/img/glyphicons-halflings-white.png  
2 assets/themes/twitter/bootstrap/img/glyphicons-halflings.png  
2 assets/themes/twitter/css/style.css  
2 heim-buypass.pdf  
2 index.md  
3 CNAME  
3 README.md  
3 _drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
3 _includes/themes/heim/default.html  
3 _includes/themes/tom/default.html  
3 _posts/2012-04-12-some-small-vim-tips.md  
3 talks.html  
4 _layouts/default.html  
5 _config.yml  
7 index.html
```


awk <3

```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c | sort |  
awk '{print $2 ", " $1}'
```

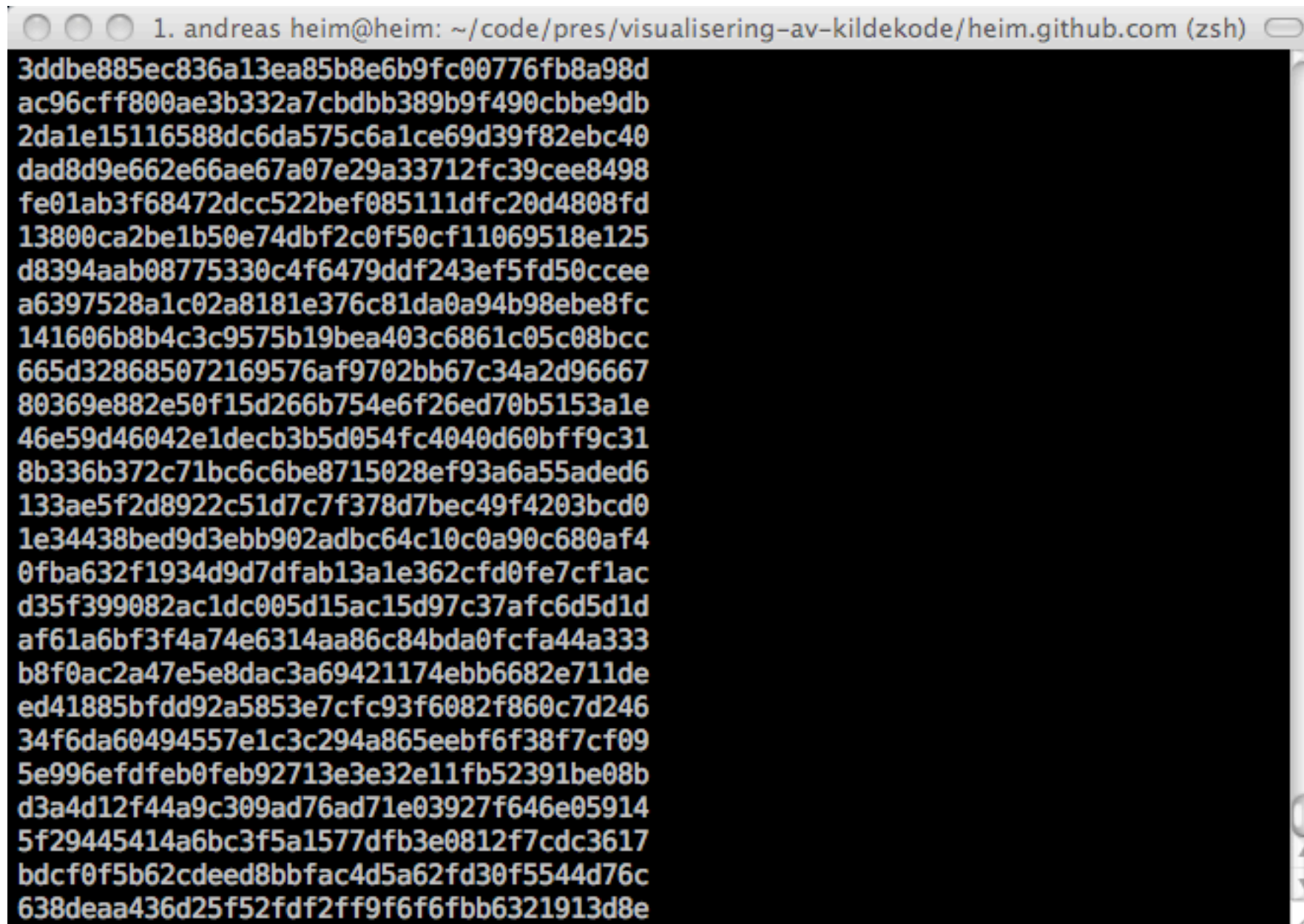


```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
heim.github.com (zsh) heim.github.com (zsh)  
_includes/themes/twitter/post.html,2  
_includes/themes/twitter/settings.yml,2  
_layouts/page.html,2  
_layouts/post.html,2  
_posts/2012-04-04-puppet_module_for_managing_vim_files.md,2  
_site/2012/04/04/puppet_module_for_managing_vim_files.html,2  
_site/README.md,2  
_site/index.html,2  
assets/themes/heim/css/screen.css,2  
assets/themes/twitter/bootstrap/css/bootstrap.min.css,2  
assets/themes/twitter/bootstrap/img/glyphicons-halflings-white.png,2  
assets/themes/twitter/bootstrap/img/glyphicons-halflings.png,2  
assets/themes/twitter/css/style.css,2  
heim-buypass.pdf,2  
index.md,2  
CNAME,3  
README.md,3  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md,3  
_includes/themes/heim/default.html,3  
_includes/themes/tom/default.html,3  
_posts/2012-04-12-some-small-vim-tips.md,3  
talks.html,3  
_layouts/default.html,4  
_config.yml,5  
index.html,7
```



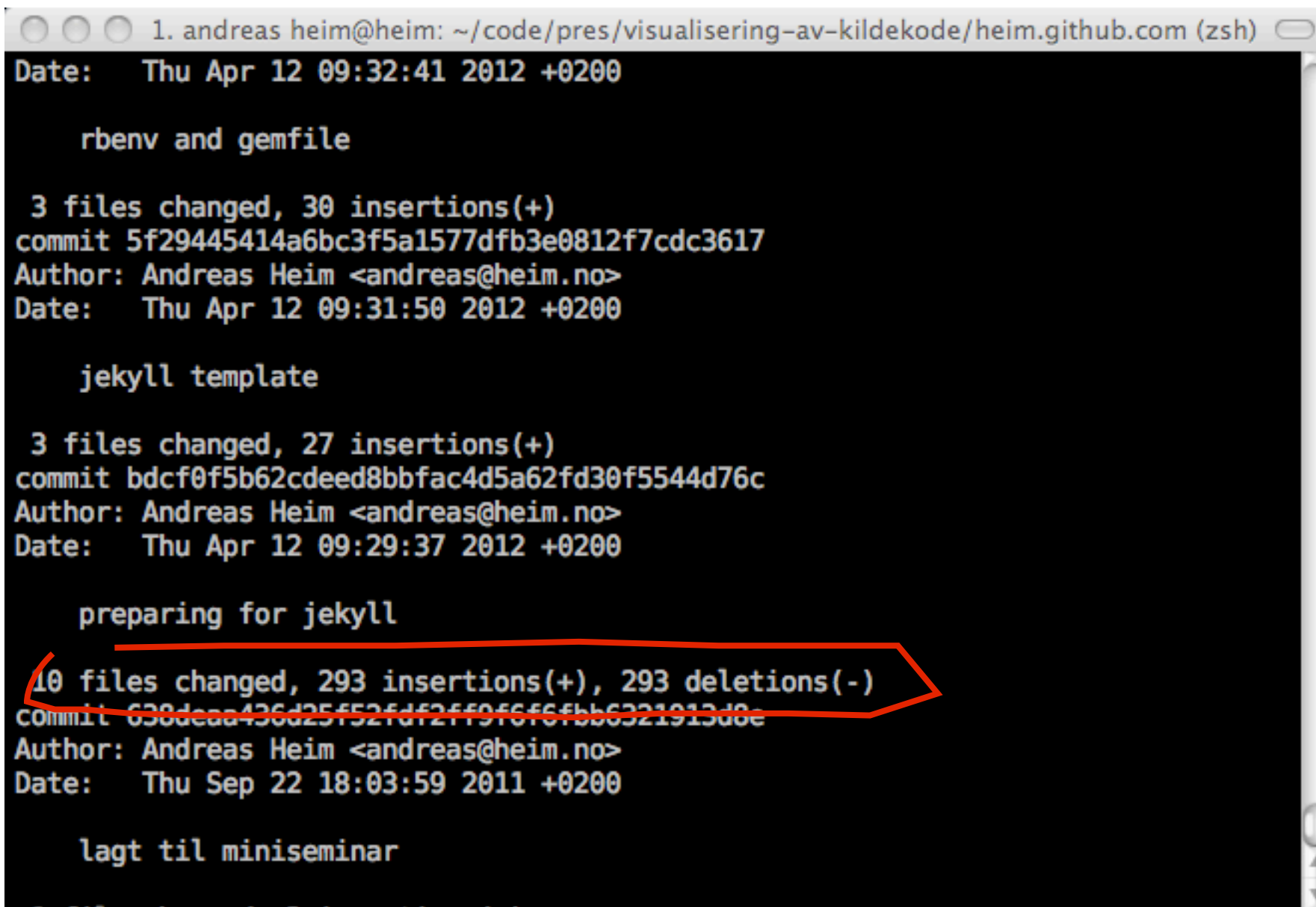
impact

git rev-list HEAD --since="1 year ago"

A terminal window with a dark background and light-colored text. The window title bar shows the user 'andreas heim' at 'heim', the current directory '~/code/pres/visualisering-av-kildekode/heim.github.com', and the shell '(zsh)'. The terminal displays the output of the command 'git rev-list HEAD --since="1 year ago"', which is a long list of 40 commit hashes, each on a new line.

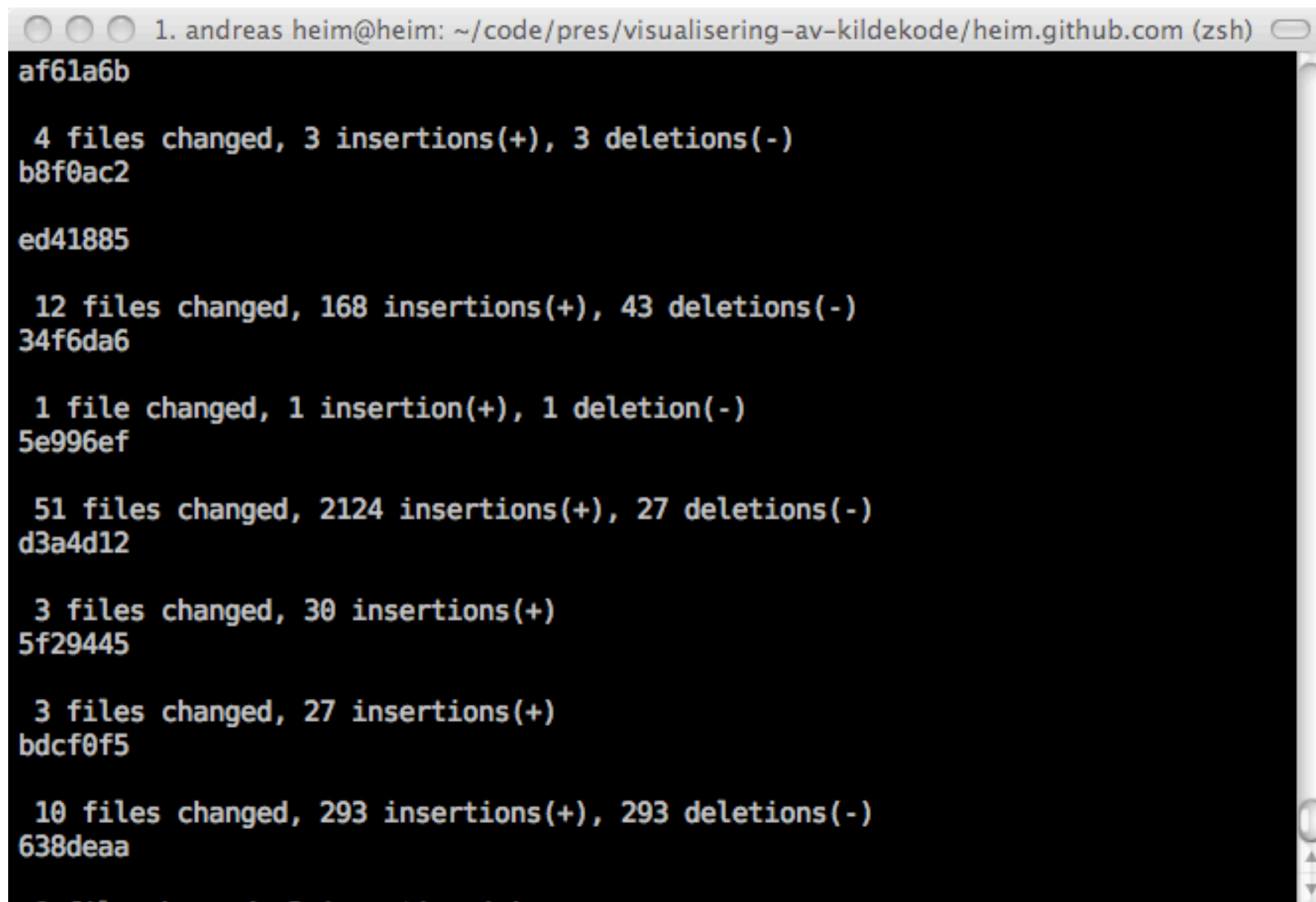
```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d  
ac96cff800ae3b332a7cbdbb389b9f490cbbbe9db  
2da1e15116588dc6da575c6a1ce69d39f82ebc40  
dad8d9e662e66ae67a07e29a33712fc39cee8498  
fe01ab3f68472dcc522bef085111dfc20d4808fd  
13800ca2be1b50e74dbf2c0f50cf11069518e125  
d8394aab08775330c4f6479ddf243ef5fd50ccee  
a6397528a1c02a8181e376c81da0a94b98ebe8fc  
141606b8b4c3c9575b19bea403c6861c05c08bcc  
665d328685072169576af9702bb67c34a2d96667  
80369e882e50f15d266b754e6f26ed70b5153a1e  
46e59d46042e1dec3b5d054fc4040d60bff9c31  
8b336b372c71bc6c6be8715028ef93a6a55aded6  
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0  
1e34438bed9d3ebb902adbc64c10c0a90c680af4  
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac  
d35f399082ac1dc005d15ac15d97c37afc6d5d1d  
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333  
b8f0ac2a47e5e8dac3a69421174ebb6682e711de  
ed41885bfdd92a5853e7cfc93f6082f860c7d246  
34f6da60494557e1c3c294a865eebf6f38f7cf09  
5e996efdfeb0feb92713e3e32e11fb52391be08b  
d3a4d12f44a9c309ad76ad71e03927f646e05914  
5f2944541a6bc3f5a1577dfb3e0812f7cdc3617  
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c  
638deaa436d25f52fdf2ff9f6f6fbb6321913d8e
```

```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev --shortstat |  
cat; done
```



```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
Date: Thu Apr 12 09:32:41 2012 +0200  
  
rbenv and gemfile  
  
3 files changed, 30 insertions(+)  
commit 5f29445414a6bc3f5a1577dfb3e0812f7cdc3617  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Apr 12 09:31:50 2012 +0200  
  
jekyll template  
  
3 files changed, 27 insertions(+)  
commit bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Apr 12 09:29:37 2012 +0200  
  
preparing for jekyll  
10 files changed, 293 insertions(+), 293 deletions(-)  
commit 638deaa436d25f52fd2ff9f6f6fbb6321913d0e  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Sep 22 18:03:59 2011 +0200  
  
lagt til miniseminar
```

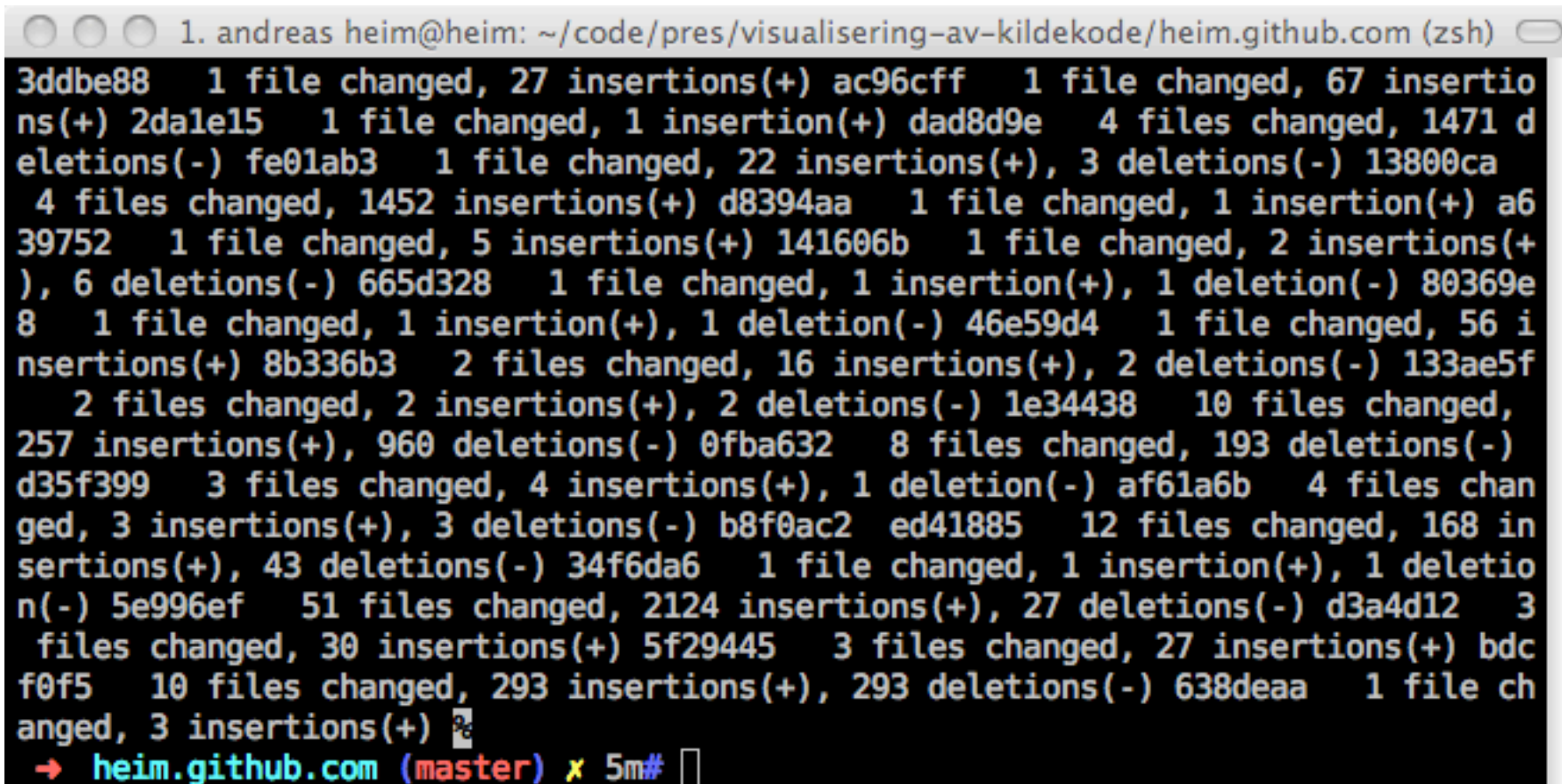
```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev  
--shortstat --format='%h' | cat; done
```

A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". The output of the command is a list of commit hashes followed by their short statistics. The commits are: af61a6b (4 files changed, 3 insertions(+), 3 deletions(-)), b8f0ac2, ed41885 (12 files changed, 168 insertions(+), 43 deletions(-)), 34f6da6 (1 file changed, 1 insertion(+), 1 deletion(-)), 5e996ef (51 files changed, 2124 insertions(+), 27 deletions(-)), d3a4d12 (3 files changed, 30 insertions(+)), 5f29445 (3 files changed, 27 insertions(+)), bdcf0f5 (10 files changed, 293 insertions(+), 293 deletions(-)), and 638deaa.

```
af61a6b  
4 files changed, 3 insertions(+), 3 deletions(-)  
b8f0ac2  
ed41885  
12 files changed, 168 insertions(+), 43 deletions(-)  
34f6da6  
1 file changed, 1 insertion(+), 1 deletion(-)  
5e996ef  
51 files changed, 2124 insertions(+), 27 deletions(-)  
d3a4d12  
3 files changed, 30 insertions(+)  
5f29445  
3 files changed, 27 insertions(+)  
bdcf0f5  
10 files changed, 293 insertions(+), 293 deletions(-)  
638deaa
```



```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev --shortstat --format="%h"  
| tr "\\n" " "; done
```

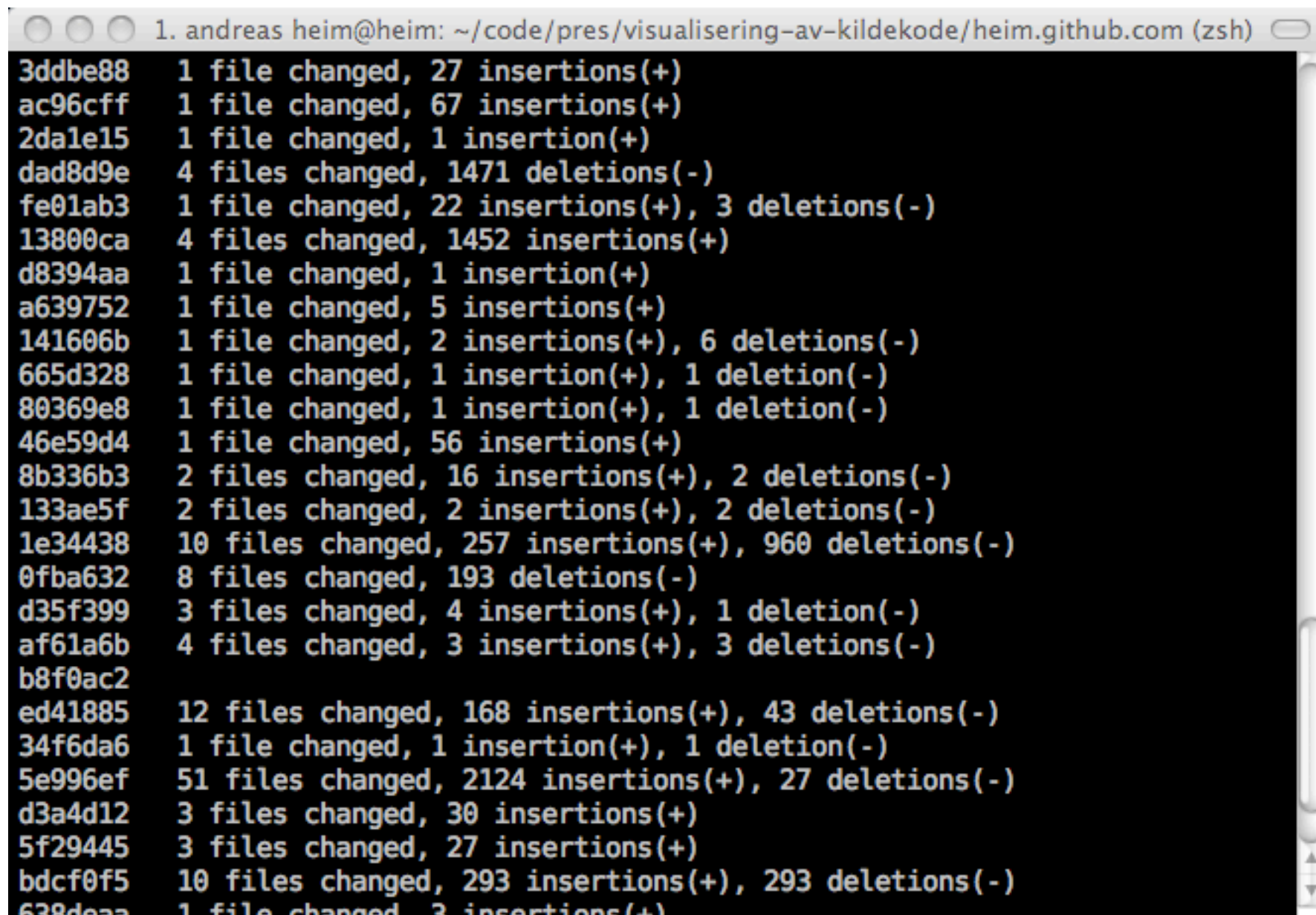


A terminal window titled "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". The terminal displays the output of the command `git rev-list HEAD --since="1 year ago" | while read rev; do; git show $rev --shortstat --format="%h" | tr "\\n" " "; done`. The output is a list of commit hashes followed by their respective file changes, insertions, and deletions. The list is wrapped across multiple lines. At the bottom, a prompt shows the current branch as `heim.github.com (master)` and the commit count as `x 5m#`.

```
3ddb88 1 file changed, 27 insertions(+) ac96cff 1 file changed, 67 insertio  
ns(+) 2dale15 1 file changed, 1 insertion(+) dad8d9e 4 files changed, 1471 d  
eletions(-) fe01ab3 1 file changed, 22 insertions(+), 3 deletions(-) 13800ca  
4 files changed, 1452 insertions(+) d8394aa 1 file changed, 1 insertion(+) a6  
39752 1 file changed, 5 insertions(+) 141606b 1 file changed, 2 insertions(+  
, 6 deletions(-) 665d328 1 file changed, 1 insertion(+), 1 deletion(-) 80369e  
8 1 file changed, 1 insertion(+), 1 deletion(-) 46e59d4 1 file changed, 56 i  
nsertions(+) 8b336b3 2 files changed, 16 insertions(+), 2 deletions(-) 133ae5f  
2 files changed, 2 insertions(+), 2 deletions(-) 1e34438 10 files changed,  
257 insertions(+), 960 deletions(-) 0fba632 8 files changed, 193 deletions(-)  
d35f399 3 files changed, 4 insertions(+), 1 deletion(-) af61a6b 4 files chan  
ged, 3 insertions(+), 3 deletions(-) b8f0ac2 ed41885 12 files changed, 168 in  
sertions(+), 43 deletions(-) 34f6da6 1 file changed, 1 insertion(+), 1 deletio  
n(-) 5e996ef 51 files changed, 2124 insertions(+), 27 deletions(-) d3a4d12 3  
files changed, 30 insertions(+) 5f29445 3 files changed, 27 insertions(+) bdc  
f0f5 10 files changed, 293 insertions(+), 293 deletions(-) 638deaa 1 file ch  
anged, 3 insertions(+)
```

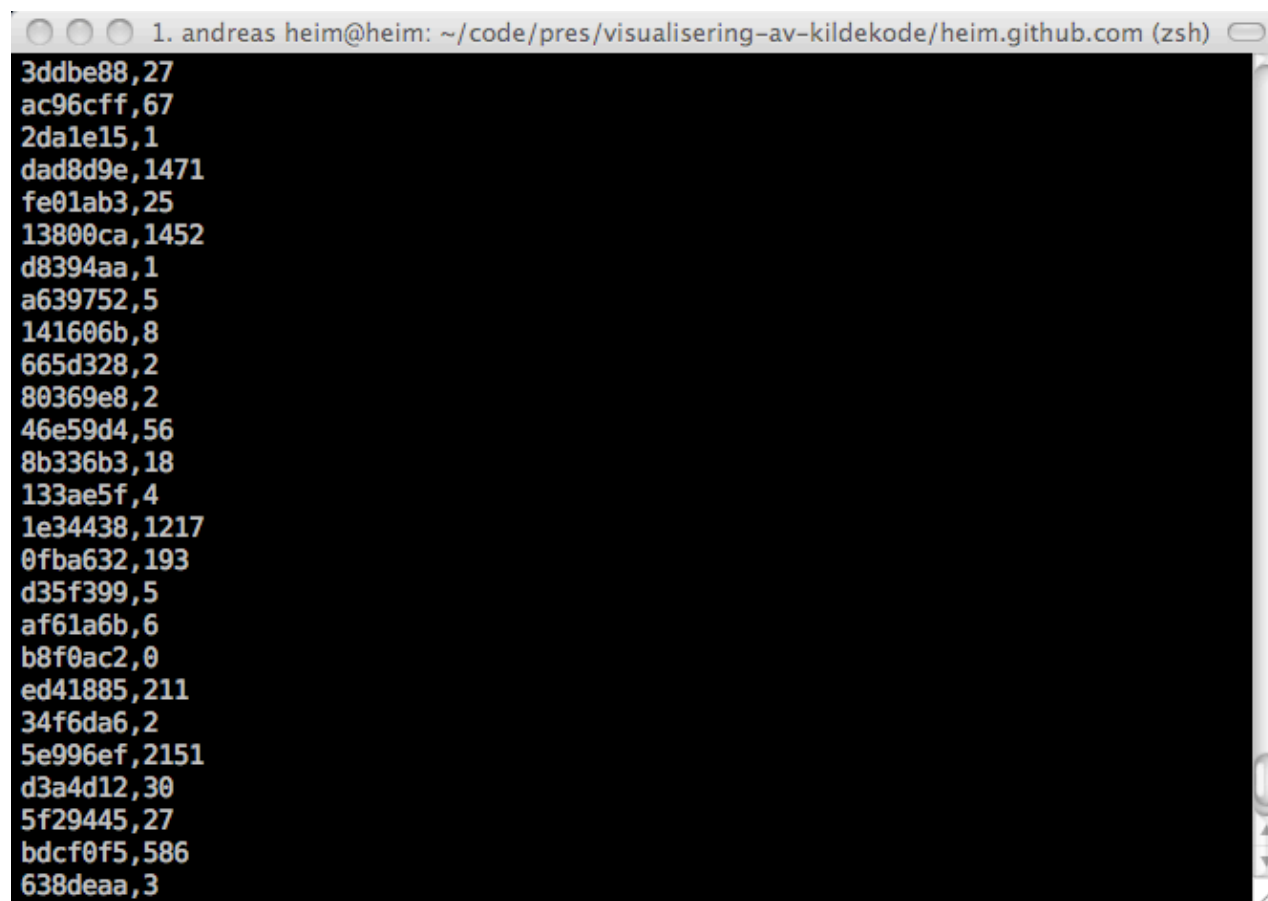


```
git rev-list HEAD --since="1 year ago" | while read rev; do;  
git show $rev --shortstat --format="%h" | tr "\\n" " " |  
awk '{print}'; done
```

A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". The terminal displays the output of a git command, showing a list of commit hashes followed by their respective file changes, insertions, and deletions. The output is formatted as a table with three columns: commit hash, number of files changed, and a summary of insertions and deletions. The commits listed are: 3ddb8e88, ac96cff, 2da1e15, dad8d9e, fe01ab3, 13800ca, d8394aa, a639752, 141606b, 665d328, 80369e8, 46e59d4, 8b336b3, 133ae5f, 1e34438, 0fba632, d35f399, af61a6b, b8f0ac2, ed41885, 34f6da6, 5e996ef, d3a4d12, 5f29445, bdcf0f5, and 628d0aa. The output shows a variety of changes, including file additions, deletions, and modifications.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddb8e88 1 file changed, 27 insertions(+)  
ac96cff 1 file changed, 67 insertions(+)  
2da1e15 1 file changed, 1 insertion(+)  
dad8d9e 4 files changed, 1471 deletions(-)  
fe01ab3 1 file changed, 22 insertions(+), 3 deletions(-)  
13800ca 4 files changed, 1452 insertions(+)  
d8394aa 1 file changed, 1 insertion(+)  
a639752 1 file changed, 5 insertions(+)  
141606b 1 file changed, 2 insertions(+), 6 deletions(-)  
665d328 1 file changed, 1 insertion(+), 1 deletion(-)  
80369e8 1 file changed, 1 insertion(+), 1 deletion(-)  
46e59d4 1 file changed, 56 insertions(+)  
8b336b3 2 files changed, 16 insertions(+), 2 deletions(-)  
133ae5f 2 files changed, 2 insertions(+), 2 deletions(-)  
1e34438 10 files changed, 257 insertions(+), 960 deletions(-)  
0fba632 8 files changed, 193 deletions(-)  
d35f399 3 files changed, 4 insertions(+), 1 deletion(-)  
af61a6b 4 files changed, 3 insertions(+), 3 deletions(-)  
b8f0ac2  
ed41885 12 files changed, 168 insertions(+), 43 deletions(-)  
34f6da6 1 file changed, 1 insertion(+), 1 deletion(-)  
5e996ef 51 files changed, 2124 insertions(+), 27 deletions(-)  
d3a4d12 3 files changed, 30 insertions(+)  
5f29445 3 files changed, 27 insertions(+)  
bdcf0f5 10 files changed, 293 insertions(+), 293 deletions(-)  
628d0aa 1 file changed, 3 insertions(+)
```

```
git rev-list HEAD --since="1 year ago" | while read rev; do;  
git show $rev --shortstat --format="%h" | tr "\\n" " " |  
awk '{t=$5+$7} {print $1 ", " t}'; done
```



```
3ddb8e88,27  
ac96cff,67  
2da1e15,1  
dad8d9e,1471  
fe01ab3,25  
13800ca,1452  
d8394aa,1  
a639752,5  
141606b,8  
665d328,2  
80369e8,2  
46e59d4,56  
8b336b3,18  
133ae5f,4  
1e34438,1217  
0fba632,193  
d35f399,5  
af61a6b,6  
b8f0ac2,0  
ed41885,211  
34f6da6,2  
5e996ef,2151  
d3a4d12,30  
5f29445,27  
bdcf0f5,586  
638deaa,3
```

