

### Thanks for participating!

Please send any ideas, tools, readings, or  
documentation of your dig.

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Tilt	⇧ ⌘ M
Get More Tools	

# VIEW SOURCE

## READING HIDDEN TEXTS OF THE WEB

Jeff Thompson

```
<script>
```

```
!function(e,t,a,n,c,s,o){e.GoogleAnalyticsObject=c,e[c]=e[c]||function(){(e[c].q=e[c].q||[]).push(arguments)},e[c].l=1*new Date,s=t.createElement(a),o=t.getElementsByTagName(a)[0],s.async=1,s.src=n,o.parentNode.insertBefore(s,o)}(window,document,"script","https://www.google-analytics.com/analytics.js","ga"),ga("create","UA-75778337-1","auto"),ga("send","pageview");
```

```
</script>
```

## Facebook Thinks I Like Toes

Landry Taylor

<http://distractify.com/geek/2015/12/04/landry-facebook-thinks-i-like-toes>

## Hidden ASCII Art In Websites

Bryan Bishop

<http://www.theverge.com/2012/4/25/2976042/discovering-hidden-ascii-art-in-the-pages-of-the-web>

## Infographics From .MIL Searches

Paul Ford

<https://medium.com/message/amazing-military-infographics-1ba60bdc32e7#.hhw22ssra>

## Libscore and FontReach

Julian Shapiro and Jesse Chase

<https://medium.com/@Shapiro/introducing-libscore-com-be93165fa497#.g4cts1uxn>  
<https://insidedigitalocean.com/fontreach-font-usage-visualized-b6c5b6294787#.xtdko6x3v>

## There Is Blatant Racism And Sexist Language Hiding In Open Source Code

Leslie Horn

<http://gizmodo.com/5980842/there-is-blatant-racist-and-sexist-language-in-github-code>

## Poetics

What unintended, aesthetic surprises can we find?

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## WEB DIGGING TOOLS

The tools we used today to access and parse source code

### View Source

Firefox: Tools → Web Developer → Page Source  
Chrome: View → Developer → View Source  
Safari: Develop → Show Page Source

### Searching In Source

All browsers: Command/Control + F

### Firefox Developer Tools

Lets us see the structure of the page, hover over certain elements, see the CSS rules applied, and more:

Tools → Developer → Toggle Tools...

### Firefox 3D View

Inside the Developer Tools above, click on the little cube icon

### Advanced Google Searching

Only certain TLDs: <search term> site:\*.mil  
Only certain files: <search term> filetype:pdf

### Linting

“Linting” tools clean up messy or obfuscated code for easier reading

HTML: <https://infohound.net/tidy>  
CSS: <http://csslint.net>  
JS: [http://www.javascriptlint.com/online\\_lint.php](http://www.javascriptlint.com/online_lint.php)  
JSON: <http://jsonlint.com>

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## ADVANCED TOOLS

Some advanced tools we didn't cover today, but may be useful if you'd like to dig deeper

### Sublime Text

An excellent, free text editor – lets you do much more powerful searching and text processing ([sublimetext.com](http://sublimetext.com))

### Regular Expressions

A powerful searching protocol that looks for patterns in text. Save your source code offline and use Sublime Text. A few helpful regex's:

HTML comments: <\!--.\*?-->  
JavaScript comments: //.\*?\$ and /\s.\*?\s/  
JavaScript variables: var(.\*)\s

### wget

A command-line tool for mirroring (downloading) an entire website, including all HTML, images, etc. For example:

```
wget --execute robots=off --recursive --no-parent  
--continue --no-clobber http://www.example.com
```

The extra parameters, specified with --<something>, sets how wget will work and help us play nice with the server.

Lots more wget examples here:

<http://www.labnol.org/software/wget-command-examples/28750>

### Miscellaneous

A few miscellaneous tools for investigating website source code:

BuiltWith <http://www.builtwith.com/nytimes.com>  
US Gov't Web Standards <https://standards.usa.gov/getting-started>  
NLTK <http://www.nltk.org>  
Libscore & FontReach (see Readings section for URLs)

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## READING LIST

Further reading – please also suggest texts for us!

### A Peek At A/B Testing In The Wild

Dillon Reisman

<https://freedom-to-tinker.com/blog/dreisman/a-peek-at-ab-testing-in-the-wild>

### Critical Critical Code Studies

Mark C. Marino

<http://www.electronicbookreview.com/thread/electropoetics/codology>

### Critical Code Studies Working Group

Various authors

<http://haccslab.com>

### Computer As Ethical Artifacts

Nathan Ensmenger

<http://homes.soic.indiana.edu/nensmeng/files/ensmenger-29-3.pdf>

### Computer Boys Take Over

Nathan Ensmenger

<https://mitpress.mit.edu/books/computer-boys-take-over>

### @CongressEdits

Ed Summers

<https://twitter.com/CongressEdits>

### “Number of Agents Waiting” Is A Random Number

@mixonix

<https://twitter.com/mixonix/status/736575632226852865>

### Every JavaScript Variable Name On Amazon

<https://gist.github.com/jeffThompson/adfa26d7b104df9ac9ca>

## SCHEDULE

Welcome! Here's an outline of the schedule for today:

### 14.30–15.00

Introductions, initial dig, chat about findings, some examples

### 15.00–15.30

Technical demos, will vary depending on participant's experience:  
searching within source, Developer Tools, Firefox's 3D view

### 15.30–16.15

Initial gathering experiments

### 16.15–16.30

Informal presentations of preliminary findings in small groups

### 16.30–17.15

Continue gathering with a goal of deeper exploration

### 17.15–18.00

Documentation of findings, presentation and discussion

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## PROVOCATIONS

As a way of framing your investigations, think about...

### Authorship

Multiple authors in one document; human/ machine

### Transparency

Obfuscation vs clarity; public vs private

### Power

Who controls the content? Can this be subverted?

### Organizations

What do our findings suggest about the organizations  
that wrote these texts?