

Thanks for participating!

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

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Performance	⇧ F5
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Get More Tools	

VIEW SOURCE

A WEB DIGGING WORKSHOP

Jeff Thompson & Lee Vinsel

```
<script>
!function(e,t,a,n,c,s,o){e.Goog
leAnalyticsObject=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.g
etElementsByTagName(a)[0],s.asy
nc=1,s.src=n,o.parentNode.inser
tBefore(s,o)}(window,document,"
script","https://www.google-ana
lytics.com/analytics.js","ga"),
ga("create","UA-75778337-1","au
to"),ga("send","pageview");
</script>
```

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Ed Summers

<https://twitter.com/CongressEdits>

Every JavaScript Variable Name on Amazon

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

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#.hbw22ssra>

**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>

Power

Who controls the content? Can this be subverted?

Organizations

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

Poetics

What unintended, aesthetic surprises can we find?

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WEB DIGGING TOOLS

Useful tools covered today

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

Let's 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 developer tools above, click on the cube icon

Advanced Google Searching

Only certain TLDs: <search term> site:*.mil

Only certain files: <search term> filetype:pdf

Linting

HTML: <https://infohound.net/tidy>

CSS: <http://csslint.net>

JS: 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)

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 /*.*?*/

JavaScript variables var(.*)\s

wget

A command-line tool for downloading (mirroring) 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>

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READING LIST

Further reading – please also suggest texts for us!

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>

SCHEDULE

An outline of the schedule for today

12.30–1.00

Introductions, initial dig, chat about findings, some examples

1.00–1.30

Technical demos: searching within source, saving HTML offline, Firefox's 3D view, advanced Google searching, HTML linting

1.30–2.00

Initial gathering experiments

2.00–2.15

Informal presentations of preliminary findings in small groups

2.15–2.45

Continue gathering with a goal of deeper exploration

2.45–3.30

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