

Hello, I'm Chee Aun.

- Hardcore web developer.
- Created quite a bunch of fun little side projects.
- Tweet a lot of interesting stuff at @cheeaun
- Occasionally read Hacker News.

What is Hacker News?

Hacker News new | comments | ask | jobs | submit

- 1.

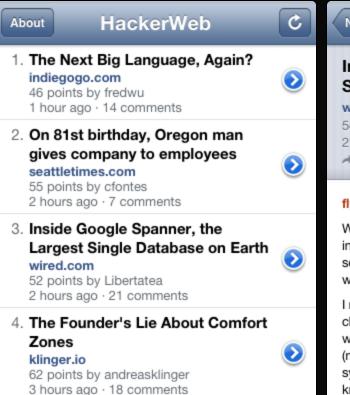
 1/13 noon at MIT: Protest wrongful prosecution of Aaron Swartz (maps.google.com) 210 points by hendler 4 hours ago | 31 comments
- Jonathan James (wikipedia.org) 232 points by will_brown 7 hours ago | 87 comments
- A Official Statement from the family and partner of Aaron Swartz (rememberaaronsw.tumblr.com) 540 points by mxfh 11 hours ago | 121 comments
- ♣ Prosecutor as bully (lessig.tumblr.com) 986 points by guan 17 hours ago | 239 comments
- The Truth About Aaron Swartz's "Crime" (unhandled.com) 643 points by secalex 13 hours ago | 68 comments
- A typical programmers toolbox (jeremymorgan.com) 11 points by celticbadboy 48 minutes ago | 7 comments
- Aaron Swartz commits suicide (mit.edu) 1848 points by bfaviero 1 day ago | 524 comments
- A Petition the Whitehouse to remove Carmen Ortiz from office (whitehouse.gov) 613 points by olefoo 14 hours ago | 159 comments
- A Facebook Has Something Mysterious to Show Everyone (wired.com) 9 points by marcieoum 41 minutes ago | 1 comment
- ▲ Aaron Swartz, American hero (washingtonpost.com) 158 points by binarybits 7 hours ago | 10 comments
- A Three Felonies A Day How The Feds Target The Innocent (harveysilverglate.com) 91 points by jakewalker 5 hours ago | 25 comments
- ≜ Aaron is dead. From: Tim Berners-Lee (w3.org) 511 points by edsu 16 hours ago | 29 comments
- ▲ If I get hit by a truck... (aaronsw.com) 581 points by artursapek 18 hours ago | 45 comments
- 14.
 My Aaron Swartz, whom I loved (quinnnorton.com)
 355 points by rufo 14 hours ago | 32 comments

 Compared to the location of the property o
- ▲ JSTOR Statement on Aaron Swartz (jstor.org) 198 points by darrellsilver 11 hours ago | 38 comments

I built HackerWeb.

HackerWeb

- A simple read-only web app client for Hacker News.
- Mobile-optimized, iOS-optimized.
- Works on all modern browsers, hopefully.
- Check it out at hackerwebapp.com



Arduina araatar raicae daubta

News Inside Google Sp...

Inside Google Spanner, the Largest Single Database on Earth

wired.com

54 points by Libertatea 2 hours ago · 21 comments

→ news.ycombinator.com/item?id=4831566

flyinglizard

1 hour ago

What kind of accuracy exists between servers inside the same data center? I assume there are some internal delays (OS stacks, switches, etc) when synchronizing time inside a server group.

I mean, even if you had a picosecond accurate clock available for use inside a server farm, you would still need a way to query it with a known (not necessarily zero; just known) latency to

(not necessarily zero; just known) latency to synchronize several machines. Servers are not known latency machines (unless specialized hardware is involved).



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On 81st birthday, Oregon man gives company to employees seattletimes.com

58 points by cfontes 2 hours ago · 7 comments 3. Inside Google Spanner, the Largest

Single Database on Earth wired.com 54 points by Libertatea 2 hours ago · 21 comments

4. The Founder's Lie About Comfort Zones

klinger.io 63 points by andreasklinger 4 hours ago · 18 comments

47 points by lucatironi

3 hours ago · 11 comments

Married with Children

Arduino creator raises doubts about Kickstarter, Trademarks and Lies arduino.cc

6. CIA's guide on how to completely sabotage your communication (p. 28)

68 points by EiZei 4 hours ago · 24 comments
7. **60% of Successful Entrepreneurs are**

flyinglizard

news.ycombinator.com/item?id=4831566

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How is that accomplished?

And what happens when two transactions happen below the system accuracy limit? (like two transactions pertaining to the same data, 20ns apart, in different servers; impossible to order).

Surely they have solved this, I just wonder how.

⇔ dhotson

1 hour ago

1 hour ago

Looking at the paper it looks like instead of dealing with exact moments in time (eg timestamps) they have ranges (they call them intervals).

From the Spanner paper: "TrueTime explicitly represents time as a TTinterval, which is an interval with bounded time uncertainty (unlike standard time interfaces that give clients no notion of uncertainty)"

By representing time as intervals you can tell if one interval is definitely before or after another interval. If the intervals overlap however, then it means there's some uncertainty. I haven't quite got through the paper far enough to undersand how this kind of thing is handled. :-)

| About | HackerWeb HackerWeb | ¢ |
|-------|--|---|
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| cia | A's guide on how to completely sabotage your communication (p. 28) a.gov points by EiZei 4 hours ago · 24 comments | - |

مروبياه النواكي والجنيب او وأبيين والأرا

7 COO/ of Cusposeful Enter

Cutting-edge web tech

-webkit-overflow-scrolling: touch, localStorage, sessionStorage, CORS, Application Cache, CSS Animation, CSS Media Queries, Flexible Box Layout (old spec), requestAnimationFrame, Web Workers, and more...

Must-reads

- How I built the Hacker News mobile web app
- How I built the Hacker News mobile web app, Part 2
- Introducing HackerWeb

Focus on 3 things

- -webkit-overflow-scrolling: touch (Momentum scrolling)
- 2. CORS (Cross-Origin Resource Sharing)
- 3. Application Cache

1

Momentum scrolling

-webkit-overflow-scrolling: touch

- iOS-specific, for now. No official spec.
- Introduced since iOS5 (October 2011).
- For overflow:scroll elements.

Before iOS5

- Two fingers to scroll overflow:scroll elements.
- Unintuitive and undiscoverable.
- Scrolling libs to the rescue: <u>iScroll</u>, <u>Scrollability</u>, TouchScroll, FTScroller, etc

Starting from iOS5

- One finger to scroll overflow:scroll elements.
- -webkit-overflow-scrolling: touch adds momentum to it.
- Scrolling libs are still in used due to bugs/quirks.
- Bug: Can't scroll to top when tapping status bar

Demo time

- Normal scrolling: jsbin.com/uhiyac/1
- Momentum scrolling: jsbin.com/uhiyac/2

Resources

- Overthrow overflow:auto polyfill
- jQuery Mobile: touchOverflow
- Nested divs with overflow:touch

2 CORS

Before CORS

- Use JSONP.
- Request data from a server in a different domain.
- Example: json-head.appspot.com/? url=http://www.google.com/&callback=test
- A "hack".

CORS

- A W3C Working Draft.
- Allow JavaScript to make cross-domain requests.
- An interplay between the server and the client.

Access-Control-Allow-Origin: *

Use CORS today!

Who implements CORS?

- Google APIs
- Amazon S3
- YouTube API
- Dropbox API
- GitHub v3 API
- ...and more

Resources

- Enable CORS
- CORS isn't just for XHR
- Can I use CORS?
- Using CORS HTML5 Rocks
- CORS Proxy

3

Application Cache

AppCache

- Easily make your web site/app offline.
- A working draft.
- A douchebag.

Super simple steps

```
Step 1.
<html manifest="manifest.appcache">
Step 2.
CACHE MANIFEST
index.html
stylesheet.css
• • •
```

Versioning

```
CACHE MANIFEST
# 2013-01-21:v1

index.html
stylesheet.css
...
```

Google Reader

2894340568850837%2Fstate%2Fcom.google%2Freading-II

An updated version of Google Reader is available. Refresh

Mark all as read - Refresh View settings... -

Apple Rechargable Batteries Unboxing and Review - I comi

Reeddit – Reddit web app client









frontPage



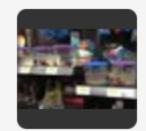


Reeddit updated. Click to reload

I knew it had been too quiet...

imgur.com funny

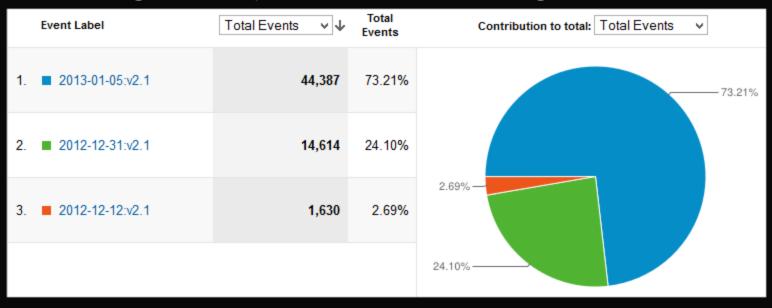




went to walmart and noted the disgusting beta fish containers, then i alashed them without

Track AppCache versions

Use Google Analytics' event tracking



Make local dev easier

- Serve 404 for .appcache files
- For HackerWeb, I use node server.js
 - -noappcache

Resources

- A Beginner's Guide to Using the Application Cache
- Fixing Application Cache Community Group
- Appcache Facts

More resources

- Moobile new mobile application framework built on MooTools
- Ratchet Prototype iPhone apps with simple HTML,
 CSS and JS components
- HTML5 Rocks
- Can I use...

Thanks

- cheeaun.com
- twitter.com/cheeaun
- github.com/cheeaun

Images used in this presentation

flickr.com/photos/diathesis/2262012694/