

Reclaiming the Web with peer-to-peer protocols

Tara Vancil

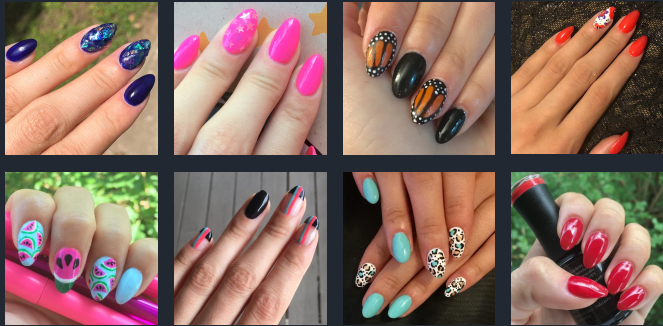
2018-11-15

CascadiaJS / Seattle, WA

Tara Vancil

The Web, nail art, Beyoncé

- taravancil.com
- @taravancil





@pfrazee

@taravancil

@mafintosh

Beaker is an **experimental browser**

- Peer-to-peer publishing and browsing with dat://
- Publish a website from the browser
- Experimental p2p browser APIs

beakerbrowser.com

Reclaim the Web...from whom?

HTML

W3C[®]



SVG

I'm optimistic about the Web



SS



https://

Web  RTC

Virtual Scroller

Holy Sh*T,
UITableView is coming
to the web platform



chrome dev summit 2018

twitter.com/yosuke_furukawa

Virtual Scroller

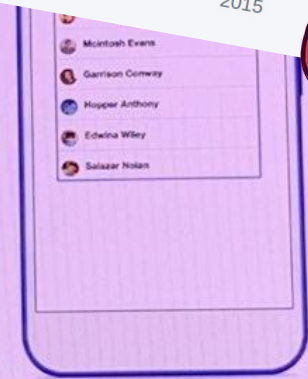
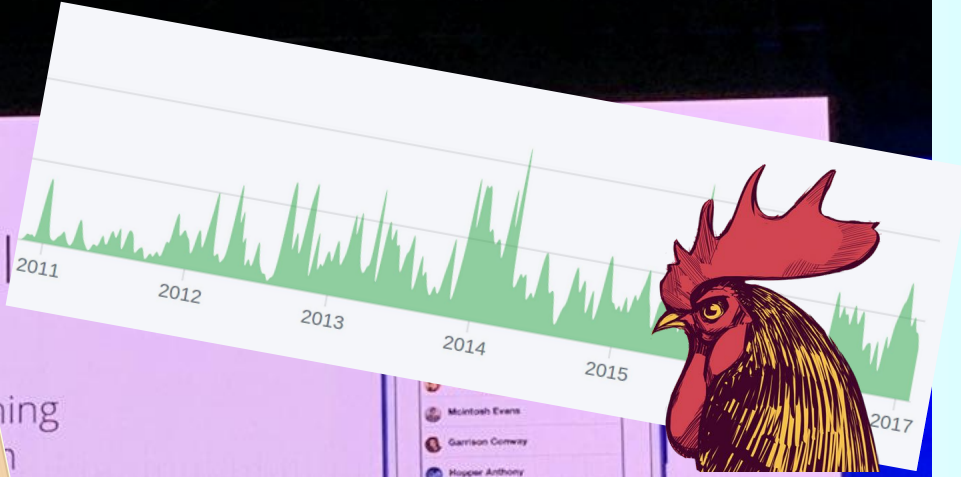
Holy Sh*T,
UITableView is amazing



twitter.com/yosuke_furukawa

Virtual Scroll

Holy Sh*T,
UITableView



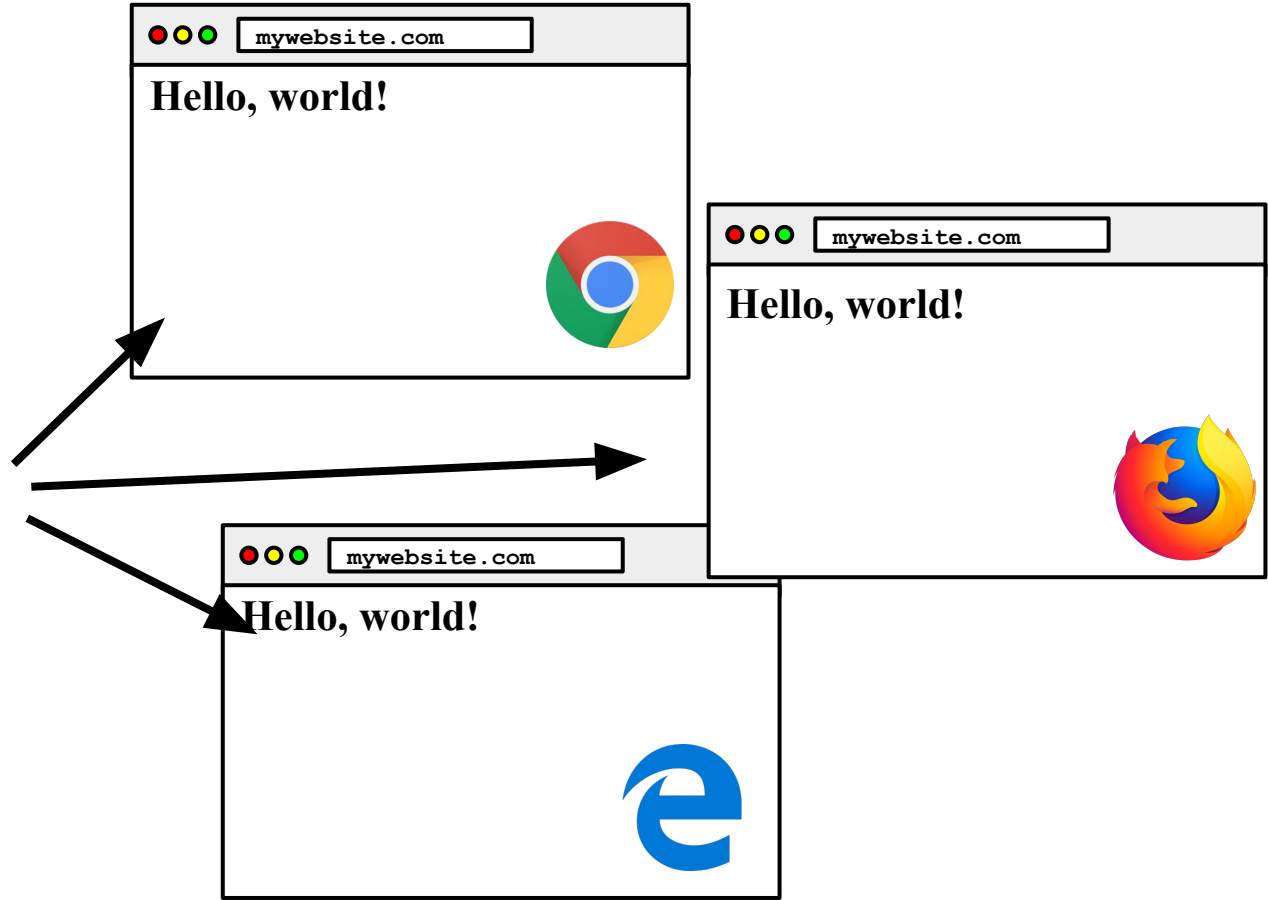
twitter.com/yosuke_furukawa

The Web is a miracle of human
cooperation

The Web is humanity's language
for **building and sharing stuff**

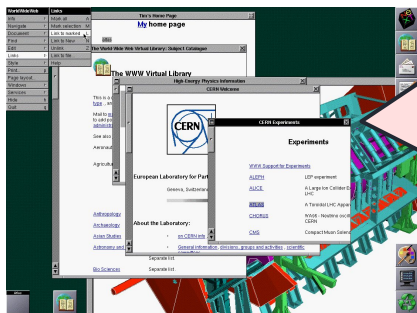
index.html

```
<html>  
  Hello, world!  
</html>
```



**I'm optimistic about the Web,
but I'm worried too**

The Web is **imperfect**
(and that's ok!)



**WorldWideWeb.app
(first browser)**

1990

2018

28 years

The Web is **imperfect**

How will we shape the next 30
years?

@taravancil / taravancil.com

W3C®





zuck 7h



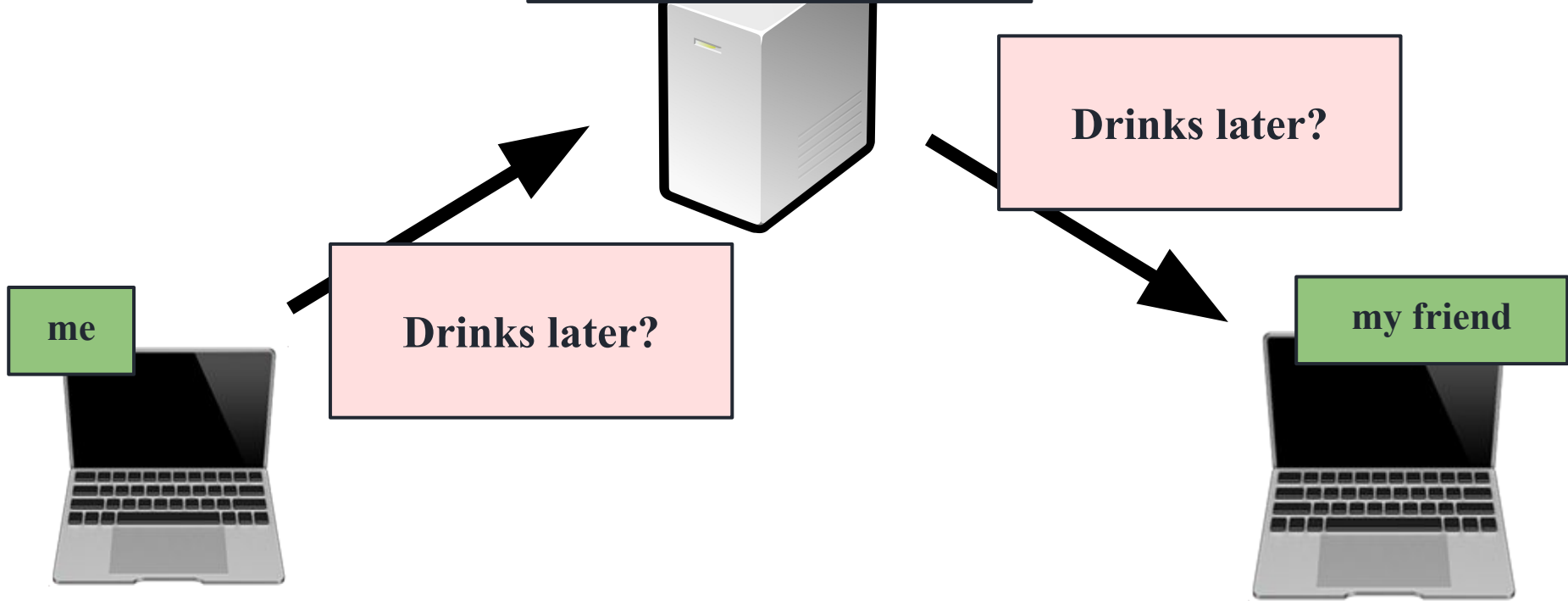
**What knobs can we turn to
adjust how communities
interact online?**

What happens if you put a **peer-to-peer protocol**
in the browser?

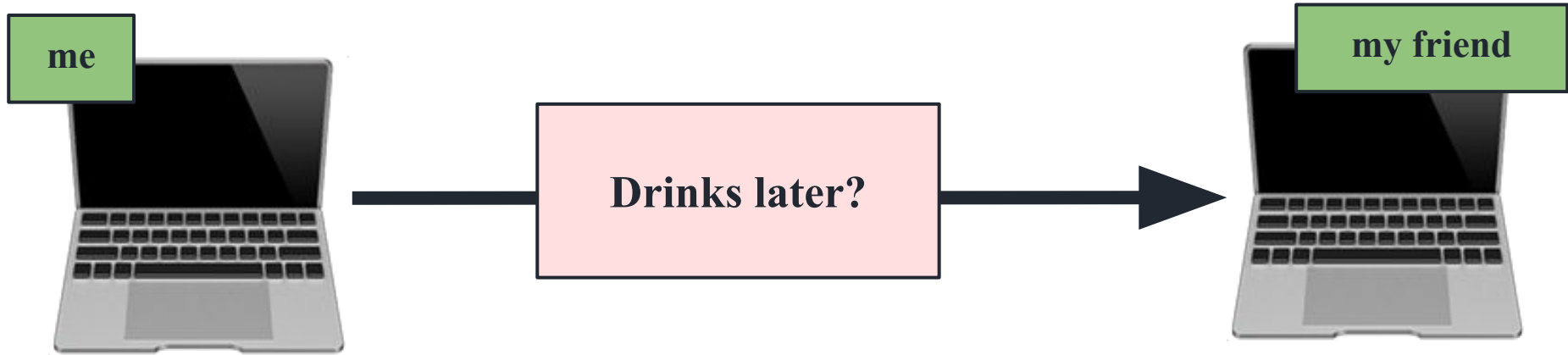


Web (HTTP)

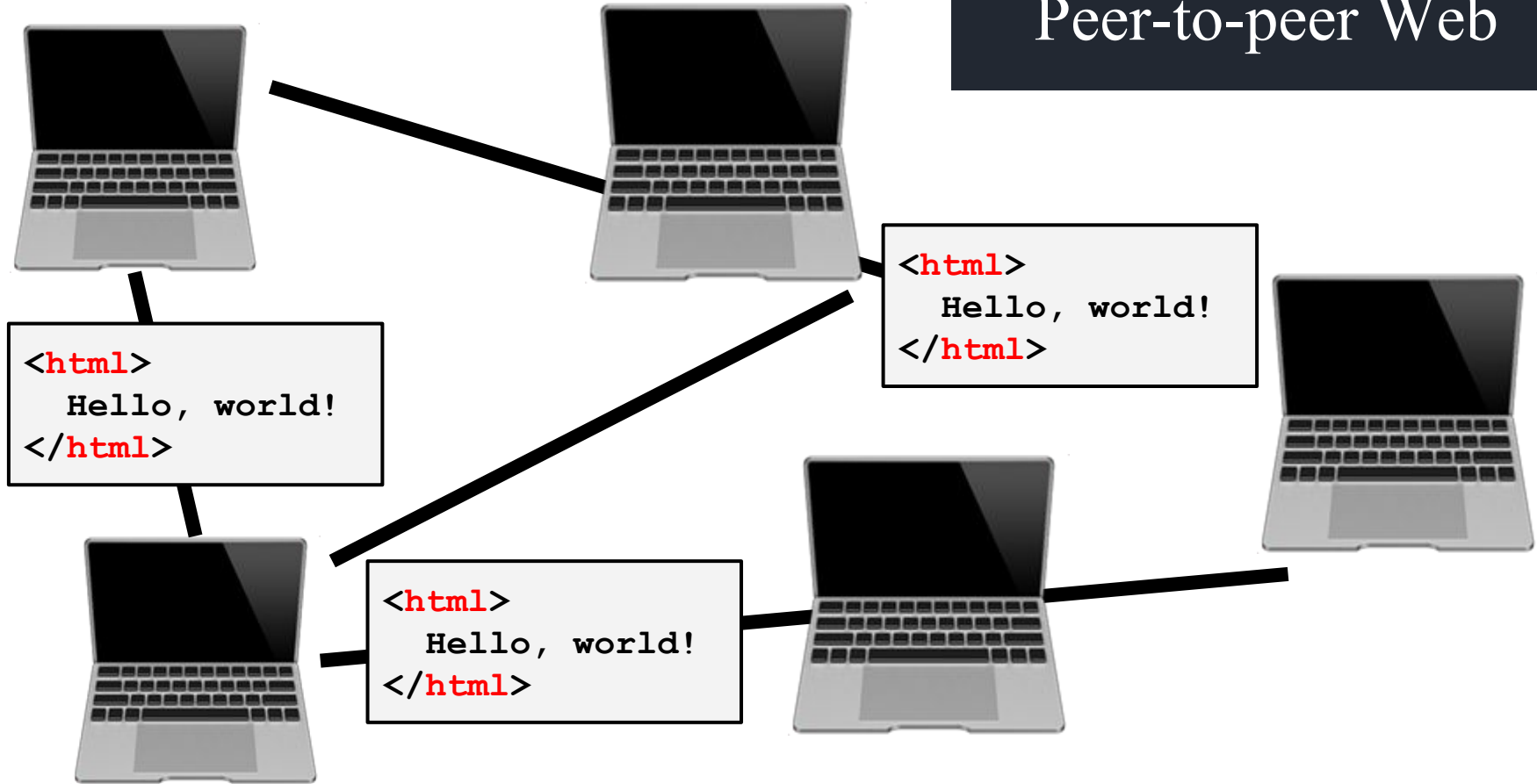
Facebook, Twitter,
WhatsApp, Instagram, etc.



Peer-to-peer Web



Peer-to-peer Web



[dat://p2p.taravancil.com](http://p2p.taravancil.com)

Explore the peer-to-peer Web

A collection of websites, tools, essays, and more. Always in progress. Curated by [Tara Vancil](#).

[websites](#)[apps](#)[tools](#)[videos](#)[sounds](#)[events](#)[ideas](#)[words](#)[collections](#)

homebase

A self-deployable website management tool.
Deploy and seed your websites, and help your friends seed theirs too!

[http](#)

hashbase

Seed your files, get a domain name, and more

[http](#)

Imagine this: a Web
without servers

[http](#)

Information Civics

Deconstructing the power
structures of large-scale social
computing networks

[dat](#)[http](#)

Formalizing user rights on the Web

What rights do our devices have on the Web? Explore rights and governance on the Web through the lens of natural and legal rights.

[http](#)

Datcast

A podcast series by Bret Comnes
and Jim Pick

[dat](#) [http](#)

Fritter

p2p microblogging

Beaker Browser weekly livestream [http](#)



Install Beaker

[dat](#) [http](#)

Thank you!

- beakerbrowser.com/install
- taravancil.com/slides
- <dat://p2p.taravancil.com>