

Le Low-Tech Web



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Diplômé INSA Rennes en 2009

6 ans IPSIS/ITLink, 7 ans Zenika

SIG, 3D, Télémédecine, Ministères, Armée,  
Banques, CEA, Ifremer...

Clients lourds, Back, Front, Agilité

BreizhCamp, Devoxx FR, Agile Tour Rennes...

<https://acailly.github.io>

Le Low-Tech Web

D'abord un tour du web  
et après un TP

D'abord un tour du web

et après un TP

*interrompez moi s.v.p*



C'est quoi  
Low-Tech ?

Gauthier Roussilhe

Low Technology,  
High Techniques

[http://www.gauthierroussilhe.com/  
fr/posts/une-erreur-de-tech](http://www.gauthierroussilhe.com/fr/posts/une-erreur-de-tech)

# C'est quoi Low-Tech ?

Gauthier Roussilhe

- Technologie,
- + Savoir faire

[http://www.gauthierroussilhe.com/  
fr/posts/une-erreur-de-tech](http://www.gauthierroussilhe.com/fr/posts/une-erreur-de-tech)

# C'est quoi Low-Tech ?

Low-Tech Lab

<https://lowtechlab.org/>

- Utile
- Accessible
- Durable

A close-up photograph of a wooden grid beam joint. Two light-colored wooden beams are joined at a right angle. The top beam has several circular holes along its length. The bottom beam is thicker and has two circular holes. A single dark circular fastener is visible, protruding from one of the holes in the top beam and partially inserted into one of the holes in the bottom beam. The wood grain is clearly visible.

Un exemple

les grid beams

<https://gridbeam.xyz>



<https://gridbeam.xyz/>

<https://theawesomer.com/grid-beam-construction-system/446653/>



mais impossible de faire...



<https://unsplash.com/photos/jDEP1mv1Apk>

Le Low-Tech . . . Web ?



*Space Exploration -> Interviews*



## An Interview with Alan Bean

*By Jim Plaxco*

On the afternoon of October 3, 1992, I had the privilege to sit and speak, all too briefly, with Alan Bean, Apollo 12 Lunar Module Pilot, 4th man to walk on the Moon, Commander of the 1973 Skylab 2 mission, and renowned space artist. The following is a transcription of that conversation.

**JP:** Approximately how many paintings have you done?

Le Web aujourd'hui

# Software disenchantment

Nikita Tonsky - 2018

[https://tonsky.me/blog/  
disenchantment/](https://tonsky.me/blog/disenchantment/)

# The Cost Of JavaScript

Addy Osmani - 2018

[https://medium.com/@addyosmani/  
the-cost-of-javascript-in-2018-7d8950fbb5d4](https://medium.com/@addyosmani/the-cost-of-javascript-in-2018-7d8950fbb5d4)

Tout est insupportablement lent, énorme  
et finit par devenir obsolète

Programmer, c'est le même bordel

The web is bloated by user “experience”

JavaScript has a cost

Design for resilience

# Unbearable News

Zain Amro - 2019

[https://zainamro.com/notes/  
unbearable news](https://zainamro.com/notes/unbearable-news)

[https://standardebooks.org/e  
books/charles-dickens/a-tale  
-of-two-cities/text/single-p  
age](https://standardebooks.org/e_books/charles-dickens/a-tale-of-two-cities/text/single-page)

I've embedded A Tale of Two Cities by Charles Dickens on this page in its entirety, and you probably didn't even notice. Yes, all of it (260 pages).

**DEMO**

# Le monde du logiciel est en train de se détruire

Olivier PHILIPPOT - 2018

<https://greenspector.com/fr/le-monde-du-logiciel-est-en-train-de-se-detruire-manifeste-pour-un-developpement-plus-durable/>

On attend (trop) la solution miracle  
On s'amuse (trop) et on ne se remet pas (assez) en cause  
On perd (trop) souvent le but final : l'utilisateur

Alors on fait quoi ?

# On optimise !

ça nous fera de la place pour ajouter  
plein de trucs !

# T'as essayé le Server Side Rendering ?

vous reprendrez bien une dose de  
complexité ?



Tout le monde fait la  
même chose

donc on s'en fout

# Median page weight over time

Web Almanac 2022: Page Weight

desktop mobile



<https://almanac.httparchive.org/en/2022/page-weight>

On va renoncer à  
certaines choses

hein ?! y'a des gens qui font ça ?

Partons en  
exploration

mais avant ça,  
des questions ou remarques ?

Des exemples !

# Le Low-Tech Magazine

<https://solar.lowtechmagazine.com/>

L'exemple que tout le monde cite 😎

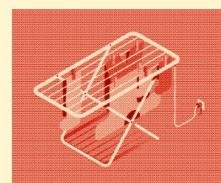
## LOW←TECH MAGAZINE

This is a solar-powered website, which means it sometimes goes offline \*

About | Low-tech Solutions | High-tech Problems | Obsolete Technology | Offline Reading | Archive | Donate | 🔍

### High-tech Problems

Technology has become the idol of our society, but technological progress is—more often than not—aimed at solving problems caused by earlier technical inventions.



#### Bedazzled by Energy Efficiency

To focus on energy efficiency is to make present ways of life non-negotiable.

January 2018  
Page size: 606.28KB

#### How Sustainable is Digital Fabrication?

Automation is more energy-intensive than mechanisation.

March 2014

#### High Speed Trains are Killing the European Railway Network

High speed rail is destroying the most valuable alternative

#### Bike Powered Electricity Generators are Not Sustainable

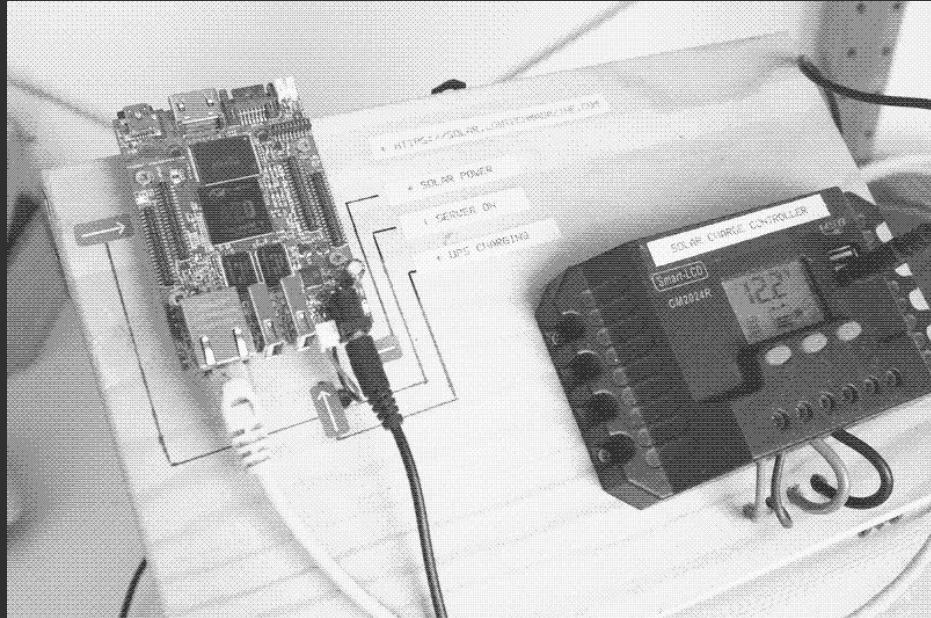
The present approach to pedal power results in highly

**DEMO**

# Le Low-Tech Magazine

<https://solar.lowtechmagazine.com/>

L'exemple que tout le monde cite 😎



Les versions lite

# Facebook Basic

<https://mbasic.facebook.com/>

Rechercher sur Facebook Rechercher

Accueil Profil Messages Notifications Discussion instantanée(14) Amis(5) Pages(6) Groupes(2)  
COVID-19 Menu



**Mark Zuckerberg**  

■ Founder and CEO, à Facebook  
■ Études : Computer Science and Psychology à Harvard University  
Bringing the world closer together.

[Message](#) [S'abonner](#) [Plus](#)

Journal · Photos · Mentions J'aime

**Emploi**

 **Chan Zuckerberg Initiative**  
1 décembre 2015 à aujourd'hui

# CNN Lite

<http://lite.cnn.com/en>

[CNN](#) | 5/1/2020 | [Listen](#)

## Main Stories

- [In quest for vaccine, US makes 'big bet' on company with unproven technology](#)
- [A ventilator developed by NASA has been approved by the FDA for coronavirus patients](#)
- [Critics said the flu kills more than coronavirus. Why that's not a fair comparison -- and now, it's not even true](#)
- [Trump contradicts US intel community by claiming he's seen evidence coronavirus originated in Chinese lab](#)
- [Trump administration draws up plans to punish China over coronavirus outbreak](#)
- [Opinion: This is what happens when coronavirus research funding gets political](#)
- [Fact check: Hilton CEO shatters Trump's testing conspiracy theory while sitting beside him](#)
- [Can Trump make good on his vaccine promise?](#)
- [Canada bans assault-style weapons after its worst ever mass murder](#)
- [Top HHS spokesman repeatedly directed sexually crude and sexist tweets at women](#)
- [Biden denies sexual assault allegation: 'This never happened'](#)
- [READ: Joe Biden's statement on sexual assault allegation](#)
- [Anderson Cooper announces the birth of his son Wyatt: 'Our family continues'](#)
- [Andy Cohen is thrilled with Anderson Cooper's baby news](#)
- [Nick Cordero's wife says his lungs are 'severely damaged'](#)
- [His pregnant wife was killed in a mass shooting. Her dying wish was for healthcare workers to have PPE](#)
- [This is the most dangerous place in the grocery store](#)

# Youtube Feather



[https://blog.chriszacharias.com/  
page-weight-matters](https://blog.chriszacharias.com/page-weight-matters)

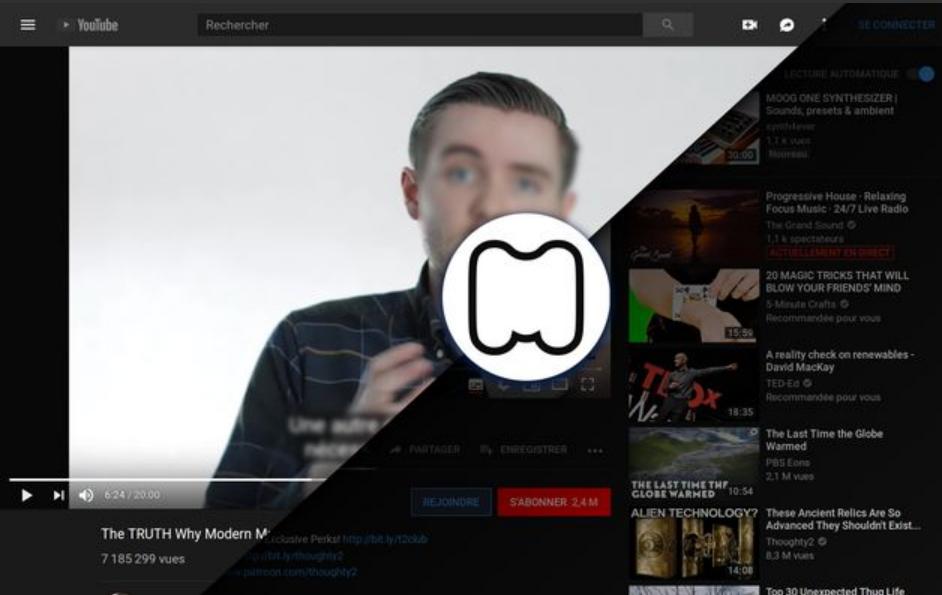
1.2 Mo => 98 Ko

La latence moyenne  
augmente !!!???

The screenshot shows the YouTube homepage with a dark theme. At the top, there's a search bar and navigation links for 'Accueil', 'Vidéos', and 'Chaines'. On the right, it shows 'fredzoneblog' and other account options. A yellow banner at the top right says 'Ajouter une vidéo'. Below the header, a section titled '"Feather" Beta' is highlighted with a yellow background. It contains text about the project's goal of low latency and mentions it's an opt-in beta. There's also a note about comments being used to improve the service. A link 'Leave the "Feather" Beta' is present. The main content area has a large, empty search bar and a 'Rechercher' button. At the bottom, there are footer links for various YouTube services like YouTube, Programmes, Aide, Règles, and Découvrir, along with links for mobile, website, television, and RSS feeds. It also shows the current location as France and language as Français.

# minimal

<https://addons.mozilla.org/fr/firefox/addon/minimal-internet-experience/>



Des sites populaires  
Low-Tech ça existe ?

# craigslist

<https://www.craigslist.org/>

Since 1996

## craigslist fr

Publier dans Petites annonces

Mon compte

Rechercher dans craigslist

Calendrier d'événements

L	M	M	J	V	S	D
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

Aide, FAQ, abus, jur.

Éviter scams & fraudes

Conseils pour votre sécurité

Conditions new

Confidentialité

État du système

à propos de craigslist

open source craigslist

Blog craigslist

## Bretagne

### Communauté

Activités	Événements
Animaux	Garde d'enfant
Artistes	Général
Bénévoles	Groupes
Coup de pouce au destin	Infos& locales
Coups de cœur/de griffe	Musiciens
Cours	Perdu + trouvé
Covoiturage	Politique

### Immobilier

Apts / Immob	Bureaux / Commerces
Immob à vendre	Locations de vacances
Parking / Garage	Recherche cbre
Sous-loc / Logmt temp	

### Emploi

Admin / Secrétaire	Arch / Ingénierie
Art / Média / Création	Biotech / Science
Comm / Direction	Commerce de détail
Compta + finance	Conception Web/Infog
Enseignement	Fonction publ.
etc / misc	Général
Fonction publ.	Immobilier
Général	Industrie
Immobilier	Jurid / Parajurid
Industrie	Logiciel / QA / DBA
Jurid / Parajurid	Marketing / RP / Pub
Logiciel / QA / DBA	Médical / Santé
Marketing / RP / Pub	Rédaction / Édition
Médical / Santé	Ressources humaines
Rédaction / Édition	Rest. / Hôtellerie
Ressources humaines	Salon / Spa / Fitness
Rest. / Hôtellerie	Secteur associatif
Salon / Spa / Fitness	Sécurité
Secteur associatif	Service-clientèle
Sécurité	
Service-clientèle	

### Services

Animaux	Immobilier	matériel lourd
Années PE	Jardin+agri.	Meubles
Auto	Juridique	Motos
Beauté	Maison	Ordinateurs
Cours	Marin	Outils
Création	Ordinateur	pcs bateau
Cycle	port/mobile	Bébé+enfant
écris./éd/trad	travail qualif.	Photo+vidéo
Événements	Trsprt/Déménagmt	pièces de motos
Financiers	Voyages / Vac	pièces ordi
		pièces vélo
		Recherche
		remorques & caravanes

### Forums de discussion

français	▼
english	
france	
bordeaux	
breTAGNE	
côte d'azur	
grenoble	
ille	
loire (vallée)	
lyon	
marseille	
montpellier	
normandie	
paris	
strasbourg	
toulouse	

europe	
cl monde	

# Hacker News

<https://news.ycombinator.com/>

Créé par Paul Graham,  
co-fondateur de  
Y Combinator

 Hacker News [new](#) | [past](#) | [comments](#) | [ask](#) | [show](#) | [jobs](#) | [submit](#)

login

1. ▲ [Ask HN: Who is hiring?](#) (May 2020)  
332 points by whoshiring 5 hours ago | hide | 329 comments
2. ▲ [Show HN: Plotting 3 years of hourly data in 150ms](#) ([leoniya.github.io](https://leoniya.github.io))  
147 points by leoniya 2 hours ago | hide | 23 comments
3. ▲ [New bill threatens journalists' ability to protect sources](#) ([techcrunch.com](https://techcrunch.com))  
190 points by pseudotus 4 hours ago | hide | 76 comments
4. ▲ [Show HN: RegEx for Regular Folk – A visual, example-based introduction to RegEx](#) ([shreyasminocha.me](https://shreyasminocha.me))  
266 points by shreyasminocha 6 hours ago | hide | 57 comments
5. ▲ [Ask HN: Who wants to be hired?](#) (May 2020)  
52 points by whoshiring 3 hours ago | hide | 91 comments
6. ▲ [The Best. iOS Sandbox Escape](#) ([siguza.github.io](https://siguza.github.io))  
53 points by mp53f 2 hours ago | hide | 4 comments
7. ▲ [Physics Today is temporarily making its archive freely available](#) ([scitation.org](https://scitation.org))  
212 points by happy-go-lucky 4 hours ago | hide | 13 comments
8. ▲ [Jepsen: Dgraph 1.1.1](#) ([jepsen.io](https://jepsen.io))  
111 points by aphyr 5 hours ago | hide | 40 comments
9. ▲ [How failures led to a SaaS \[audio\]](#) ([fallory.com](https://fallory.com))  
78 points by alecdagrande 4 hours ago | hide | 19 comments
10. ▲ [Automating Complex 3D Modeling](#) ([sandia.gov](https://sandia.gov))  
10 points by sizzle 1 hour ago | hide | discuss
11. ▲ [The Shareware Scene, Part 2: The Question of Games](#) ([filfre.net](https://filfre.net))  
19 points by todas 2 hours ago | hide | discuss
12. ▲ [Ray Tracing with POV-Ray: 25 scenes in 25 days \(2013\)](#) ([github.com](https://github.com))  
74 points by todas 5 hours ago | hide | 54 comments
13. ▲ [Virtual tour of the tomb of Pharaoh Ramses VI](#) ([matterport.com](https://matterport.com))  
124 points by open-source-tux 6 hours ago | hide | 32 comments
14. ▲ [Comprehensive Tutorial on Time Series Modelling and Forecasting](#) ([kanoki.org](https://kanoki.org))  
170 points by manzbro 8 hours ago | hide | 33 comments
15. ▲ [Git Branch Naming Conventions](#) ([deepsource.io](https://deepsource.io))  
65 points by sanketsaurav 4 hours ago | hide | 43 comments

DEMO

# Hacker News

Témoignage en 2019

<https://news.ycombinator.com/item?id=20854214>

▲ Tell HN: Thank you for not redesigning Hacker News

1831 points by ramphastidae 8 months ago | hide | past | web | favorite | 390 comments

I'm currently in a country with low speed internet and the entire 'modern' web is basically unusable except HN, which still loads instantly. Reddit, Twitter, news and banking sites are all painfully slow or simply time out altogether.

To PG, the mods and whoever else is responsible: thank you for not trying to 'fix' what isn't broken.

Thank you for not trying to  
'fix' what isn't broken

Le cas Medium

# Medium

<https://medium.com/>

The screenshot shows a Medium article page. At the top right are 'Sign in' and 'Get started' buttons. Below them is a navigation bar with categories: STRATEGY MEETING 2018, GENDER, GEO-ECONOMICS, ENVIRONMENT, and SCIENCE AND TECHNOLOGY. The main title of the article is 'Frugal innovation: the quiet revolution that is fighting off inequality'. Below the title is a small image of a person standing among hanging Christmas ornaments. The author is listed as 'World Economic Forum' with a 'Follow' button, and the date is 'Apr 21, 2017 - 5 min read'. To the right of the author information are social sharing icons for Twitter, LinkedIn, Facebook, and a magnifying glass. A caption at the bottom of the image reads: 'Affordable technologies are allowing people to innovate in ways that were previously only available to large corporations. Image: REUTERS/Pilar Olivares'.

[https:](https://)

M

# Pardon the interruption.

We've seen you here before. Let's make things official.

 Sign up with Google

 Sign up with Facebook

Already have an account? [Sign in](#)

To make Medium work, we log user data and share it with service providers. Click "Sign up" above to accept Medium's [Terms of Service](#) & [Privacy Policy](#).

[Sign in](#) [Get started](#)

ENVIRONMENT SCIENCE AND TECHNOLOGY

solution



only available to large

# Medium

To keep reading this story, create a free account.

 Sign up with Google

 Sign up with Facebook

Already have an account? [Sign in](#)



The image shows a medium-sized article preview from the World Economic Forum. At the top right are 'Sign in' and 'Get started' buttons. Below them is a navigation bar with categories: STRATEGY MEETING 2018, GENDER, GEO-ECONOMICS, ENVIRONMENT, and SCIENCE AND TECHNOLOGY. The main title of the article is 'Frugal innovation: the quiet revolution that is fighting off inequality'. Below the title is the author's name, 'World Economic Forum', and a 'Follow' button. It also indicates the date, 'Apr 21, 2017 - 5 min read', and social sharing icons for Twitter, LinkedIn, Facebook, and a magnifying glass.

et si on ne gardait  
que l'essentiel ?

# Telegraph

<https://telegra.ph/>

Title

Your name

Your story...

PUBLISH

txti.es

<http://txti.es/>

**txti**

Fast web pages for everybody.

[What is txti?](#) | [How to use txti](#)

### Create a txti

Content (required)

By continuing, you agree to the [terms of service](#).

Save and done or  Show more options

## This is a motherfucking website.

And it's fucking perfect.

### Seriously, what the fuck else do you want?

You probably build websites and think your shit is special. You think your 13 megabyte parallax-ative home page is going to get you some fucking Awwward banner you can glue to the top corner of your site. You think your 40-pound jQuery file and 83 polyfills give IE7 a boner because it finally has box-shadow. Wrong, motherfucker. Let me describe your perfect-ass website:

- Shit's lightweight and loads fast
- Fits on all your shitty screens
- Looks the same in all your shitty browsers
- The motherfucker's accessible to every asshole that visits your site
- Shit's legible and gets your fucking point across (if you had one instead of just 5mb pics of hipsters drinking coffee)

### Well guess what, motherfucker:

You. Are. Over-designing. Look at this shit. It's a motherfucking website. Why the fuck do you need to animate a fucking trendy-ass banner flag when I hover over that useless piece of shit? You spent hours on it and added 80 kilobytes to your fucking site, and some motherfucker jabbing at it on their iPad with fat sausage fingers will never see that shit. Not to mention blind people will never see that shit, but they don't see any of your shitty shit.

You never knew it, but this is your perfect website. Here's why.

### It's fucking lightweight

This entire page weighs less than the gradient-meshed facebook logo on your fucking Wordpress site. Did you seriously load 100kb of jQuery UI just so you could animate the fucking background color of a div? You loaded all 7 fontfaces of a shitty webfont just so you could say "Hi." at 100px height at the beginning of your site? You piece of shit.

## This is *still* a motherfucking website.

```
▼<style type="text/css">
body{
    margin:40px auto;
    max-width:650px;
    line-height:1.6;
    font-size:18px;
    color:#444;
    padding:0 10px
}
h1,h2,h3{
    line-height:1.2
}
</style>
```

And it's more fucking perfect than the last guy's.

**Seriously, it takes minimal fucking effort to improve this shit.**

7 fucking declarations.

That's how much CSS it took to turn that [grotesque pile of shit](#) into this easy-to-read masterpiece. It's so fucking simple and it *still* has all the glory of the original perfect-ass website:

- Shit's *still* lightweight and loads fast
- *Still* fits on all your shitty screens
- *Still* looks the same in all your shitty browsers
- The motherfucker's *still* accessible to every asshole that visits your site
- Shit's *still* legible and gets your fucking point across

**And guess what, motherfucker:**

You never knew it, but it's easy to improve readability on your site. Here's how.

### Let it breathe

Look at lines 1 and 2 of some shitty website you're building. Assuming they're not married they probably shouldn't be humping. The defaults are trash -- pick a minimum line-height: 1.4 for body copy. Headings should be tighter. If you can't see that...piss off.

# itty bitty

<https://itty.bitty.site>

28 bytes   [qr code](#)   [menu](#)

[copy](#) [link](#)

---

[share via](#)

[twitter](#)

---

[new site](#)

[about itty](#)

*itty bitty things*

*can be conveyed in a link.*

*type here – and then share!*

[about itty bitty](#)

**DEMO**

# itty bitty

<https://itty.bitty.site/>  
[#About/XQAAAAAI9BwAAAAAAA](#)  
[AAeHMqHyTY4PyKmqfkwr6ooC](#)  
[XSIMxP07ojYR153HqZD3W+ke](#)  
[Vdvwyoyd+luwncAksvskG/my](#)  
[97qDaUEyfDGB0ODbdURMwS0L](#)  
[90o5FnO70+BMmWrcB7fs71TJ](#)

**Itty bitty** sites are contained *entirely* within their own link. (Including this one!) This means they're...

-  **Portable** - you don't need a server to host them
-  **Private** - nothing is sent to—or stored on—*this* server
-  **Easy to share** as a link or [QR code](#)

**Itty bitty** sites can hold about as much as a printed page, and there is a lot you can do with that:

-  Compose [poetry](#)
-  Create an [app](#)
-  Bypass a [140 280 char limit](#)
-  Express yourself [in ascii](#)

Learn more: [How it works](#) - [Advanced editing](#) - [Security](#) - [GitHub](#)

[Create a new site](#)

# itty bitty

<https://bit.ly/3bVsm8k>



**Itty bitty** sites are contained *entirely* within their own link. (Including this one!) This means they're...

- 💼 **Portable** - you don't need a server to host them
- 👁️ **Private** - nothing is sent to—or stored on—*this* server
- 🎁 **Easy to share** as a link or [QR code](#)

**Itty bitty** sites can hold about as much as a printed page, and there is a lot you can do with that:

- ✍️ Compose [poetry](#)
- 🛠️ Create an [app](#)
- 🐦 Bypass a [140 280 char limit](#)
- 🎨 Express yourself [in ascii](#)

Learn more: [How it works](#) - [Advanced editing](#) - [Security](#) - [GitHub](#)

[Create a new site](#)

Les Wikis

# Wikipedia

<https://fr.wikipedia.org>

The screenshot shows the French Wikipedia homepage. At the top right, there are links for "Non connecté", "Discussion", "Contributions", "Créer un compte", and "Se connecter". Below that is a search bar with the placeholder "Rechercher dans Wikipedia" and a magnifying glass icon. The main header features the Wikipedia logo and the text "Wikipédia L'encyclopédie libre". To the right of the header, there are links for "Version pour appareil mobile", "Accueil de la communauté", "Portails thématiques", "Principes fondateurs", and "Sommaire de l'aide". A "Comment contribuer ?" link is also present. The central content area includes a "ARTICLE LABELLISÉ DU JOUR" section about "Mia Khalifa" with a small thumbnail image of her. To the left, a sidebar contains links for "Accueil", "Portails thématiques", "Article au hasard", "Contact", "Contribuer", "Débuter sur Wikipédia", "Aide", "Communauté", "Modifications récentes", "Faire un don", "Outils", "Pages liées", "Suivi des pages liées", "Téléverser un fichier", "Pages spéciales", "Lien permanent", "Informations sur la page", and "Élément Wikidata".

# Tiddly Wiki

<https://tiddlywiki.com/>

The screenshot shows the TiddlyWiki interface. At the top, there's a header bar with tabs for "GettingStarted", "Contents", and a search bar. Below the header, the main content area displays a tiddler titled "HelloThere" with the creation date "19th April 2020 at 6:08pm". A "TableOfContents" button is visible. The main text in the tiddler reads: "Have you ever had the feeling that your head is not quite big enough to hold everything you need to remember? Welcome to TiddlyWiki, a unique non-linear notebook for capturing, organising and sharing complex information. Use it to keep your to-do list, to plan an essay or novel, or to organise your wedding. Record every thought that crosses your brain, or build a flexible and responsive website." Below the text, there are several thumbnail images linking to different parts of the wiki, such as "Introduction to TiddlyWiki", "A Gentle Guide", "What's New in 5.1.22", "TiddlyMap Plugin", "Helping TiddlyWiki", "Developers", and "TiddlyWiki Classic". On the right side of the screen, there's a sidebar titled "TiddlyWiki" with the subtitle "a non-linear personal web notebook". It includes a search bar, a "+" button, and a list of open tiddlers: "HelloThere", "GettingStarted", "Community", and "close all".

# Tiddly Wiki

<https://classic.tiddlywiki.com/archive/firstversion.html>

Première version en 2004

## TiddlyWiki *a reusable non-linear personal web notebook*

[StartHere](#)  
[UsingThisSite](#)  
*ReusingThisSite*  
*AdaptingThisSite*  
[TiddlyWiki](#)  
[TiddlyWikiDev](#)

Copyright 2004  
JeremyRuston

[StartHere](#)

This is the [FirstVersion](#) of **TiddlyWiki**. It has been superseded by the [ThirdVersion](#) at <http://www.tiddlywiki.com>

[Save all](#)

**Recent tiddlers:**  
[SavingStuff](#)  
[FirstVersion](#)  
[StartHere](#)  
[JeremyRuston](#)  
[TiddlyWiki](#)

**All tiddlers:**  
[EmailMe](#)  
[FirstVersion](#)  
[JeremyRuston](#)  
[MainMenu](#)  
[SavingStuff](#)  
[SelfContained](#)  
[SiteSubtitle](#)  
[SiteTitle](#)  
[SpecialTiddlers](#)  
[StartHere](#)  
[TiddlyWiki](#)  
[UsingThisSite](#)  
[WikiWord](#)

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Creative Commons License

**DEMO**

# Tiddly Wiki

<http://www.climate-change-two.net/>

Autre exemple de 2007

## Climate Change 2.0

Drawing on the intelligence of a knowledge-based universe to address the climate change crisis



Climate Change 2.0

What Future for Life on Earth?

>

Climate Change 2.0 Elements  
Economics of Climate Change  
Confronting Climate Change  
Rescuing a Planet Under Stress

>

Sustainable Development  
60th Annual DFU/NGO Conference

The Conference of NGOs

NGO Committee on Education

Subscribes to Climate Change

2.0

About us

search

[\[edit\]](#) Creative Commons TiddlyWiki edition of Climate Change 2007: IPCC Fourth Assessment Report

New

Visit [Climate Change 2007: IPCC Fourth Assessment Report](#) to see a draft version of a Creative Commons TiddlyWiki edition of the [Summary for Policymakers](#) of the recently-released [Synthesis Report](#) from the Intergovernmental Panel on Climate Change

## Climate Change 2.0

"No problem can be solved from the same level of consciousness that created it."

Albert Einstein (1879 - 1955) Physicist & Nobel Laureate

Climate Change 2.0 is being developed from a vision of a collaborative application of Web 2.0 methodologies to the global climate change crisis and incorporating a Creative Commons license. Climate Change 2.0 is based on the recognition of the vital contribution that the combination of the economics of information and information and communications technologies (ICT) can contribute – and already are contributing – to addressing what is increasingly recognized as the greatest challenges to a sustainable common future, both through the power of the technologies and through the progressive discovery and realization of the fundamental properties and nature of a digital knowledge-based universe and the accompanying profound freedoms and transformation of human consciousness and the emergence of digitally-connected global civil society that has been growing rapidly since the early stages of preparations for the 1992 Earth Summit - of which the United Nations Framework Convention on Climate Change was a key component.

### The Interlocking Crises

Until recently, the planet was a large world in which human activities and their effects were neatly compartmentalized within nations, within sectors (energy, agriculture, trade), and within broad areas of concern (environment, economics, social). These compartments have begun to dissolve. This applies in particular to the various global 'crises' that have seized public concern, particularly over the past decade. These are not separate crises: an environmental crisis, a

L'Open Source

Un github low-tech ?

# sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut

Log in — Register

~sircmpwn/scdoc

summary tree log refs contributors

Small man page generator

baebeb7 — Damien Tardy-Panis a month ago refs clone  
Allow subsection in preamble

master browse log

656484e0 — Damien Tardy-Panis a month ago 1.10.1 release notes  
Section needs to be explicitly defined

9793e00e — Drew DeVault 2 months ago  
Update version to 1.10.1

clone

read-only https://git.sr.ht/~sircmpwn/scdoc

read/write git@git.sr.ht:~sircmpwn/scdoc

Clone repo to your account ▾  
You can also use your local clone with git send-email.

scdoc

scdoc is a simple man page generator for POSIX systems written in C99.

Installation

make  
sudo make install

Git repository

# sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut

#97412 ✓ success

sway(5): move workspace,\_layout to config only

344c259 — [Rouven Czerwinski](#)

Owner  
[sircmpwn](#)

Created  
6 months ago

Updated  
6 months ago

Build manifest  
[view manifest »](#)

Tasks

<a href="#">✓ scdoc</a>	<a href="#">view log »</a>
<a href="#">✓ wrroots</a>	<a href="#">view log »</a>
<a href="#">✓ setup</a>	<a href="#">view log »</a>

setup

```
1  [#97412] 2019/10/16 11:21:49 Booting image alpine/edge (default) on port 22504
2  [#97412] 2019/10/16 11:21:54 Waiting for guest to settle
3  [#97412] 2019/10/16 11:22:01 Sending tasks
4  [#97412] 2019/10/16 11:22:02 Sending build environment
5  [#97412] 2019/10/16 11:22:02 Installing packages
6  Warning: Permanently added '[localhost]:22504' (EDSA) to the list of known hosts.
7  fetch http://repo-cache.local/alpine/edge/main/x86\_64/APKINDEX.tar.gz
8  fetch http://repo-cache.local/alpine/community/x86\_64/APKINDEX.tar.gz
9  fetch http://repo-cache.local/alpine/edge/testing/x86\_64/APKINDEX.tar.gz
10 v20190925-798-+7ec6baa56e [http://repo-cache.local/alpine/edge/main]
11 v20190925-816-+38e7f52179 [http://repo-cache.local/alpine/edge/community]
12 v20190925-817-+gf3820b47e7 [http://repo-cache.local/alpine/edge/testing]
13 OK: 15043 distinct packages available
14 Warning: Permanently added '[localhost]:22504' (EDSA) to the list of known hosts.
15 (1/144) Installing libpng (1.6.37-r1)
16 (2/144) Installing freetype (2.10.1-r0)
17 (3/144) Installing fontconfig (2.13.1-r2)
18 (4/144) Installing expat-dev (2.2.9-r0)
19 (5/144) Installing zlib-dev (1.2.11-r3)
20 (6/144) Installing libpng-dev (1.6.37-r1)
21 (7/144) Installing freetype-dev (2.10.1-r0)
22 (8/144) Installing libfdisk (2.34-r0)
23 (9/144) Installing libsmartcols (2.34-r0)
```

Continuous Integration

# sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut

Log in — Register

~emersion/mrsh-dev archives patches new post

This thread contains a patchset. You're looking at the original emails, but you may wish to use the patch review UI.

[PATCH mrsh] Store and expand positional arguments

Drew DeVault

Patch: +102 -50

Details 1 year, 9 months ago

4 2

```
diff --git a/builtin/set.c b/builtin/set.c
index 3d6f873..a0c410d 100644
--- a/builtin/set.c
@@ -1,3 +1,5 @@
+#define __POSIX_C_SOURCE 200809L
+##include <errno.h>
```

Code review

# sourcehut

<https://sourcehut.org/>

Almost no JS

## Issue tracking

sourcehut

~sircmpwn/todo.sr.ht

[open tickets](#) [closed tickets](#) [labels](#)

Tickets for the todo.sr.ht ticket service.

Do not file security-related tickets here. Email them to [sir@cmpwn.com](mailto:sir@cmpwn.com).

[Register here](#) or [Log in](#) to submit tickets, or submit via email.

Search tickets... status:closed label:label order:updated submitter:me

#	Ticket Description	Created Ago	Submitted By	Comments
#212	Delete tracker listed twice in API docs	2 days ago	<a href="#">samwhited</a>	1
#214	Updating ticket by status and resolution via API does not work	3 days ago	<a href="#">samwhited</a>	1
#36	Implement GitHub-style checkbox lists	4 days ago	<a href="#">sircmpwn</a>	1
#210	show trackers with notifications enabled	4 days ago	<a href="#">rwa</a>	0
#209	No method for creating labels in API	a month ago	<a href="#">samwhited</a>	0
#207	Always display error messages "above the fold"	2 months ago	<a href="#">amiryal</a>	0
#206	Editing ticket doesn't create "referenced from"	2 months ago	<a href="#">genbyte</a>	0
#203	The sorting order of tickets	3 months ago	<a href="#">eb</a>	0
#124	Prevent double submission for comments	3 months ago	<a href="#">martijnbraam</a>	2
#202	Changing links in header to target the same project	3 months ago	<a href="#">eb</a>	0
#201	Markdown is generating some escaped HTML	4 months ago	<a href="#">samwhited</a>	2
#123	Distinguish comment and information columns	4 months ago	<a href="#">maxleiter</a>	0
#199	Feature request: search/filter which does NOT contain a label	4 months ago	<a href="#">guywithknife</a>	1
#198	Create & configure directs to a URL without the - before the username	4 months ago	<a href="#">jkclemens</a>	0

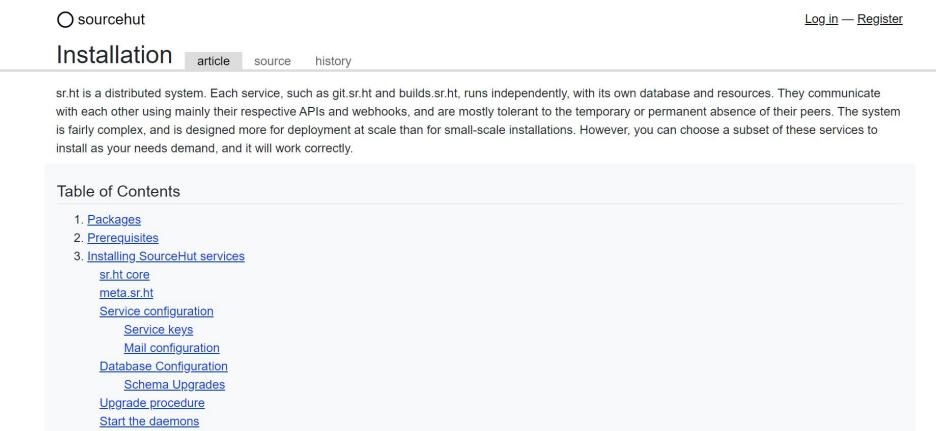
[Log in](#) — [Register](#)

# sourcehut

<https://sourcehut.org/>

Almost no JS

Wiki



The screenshot shows a dark-themed web page for the SourceHut installation guide. At the top right are 'Log in' and 'Register' links. The title 'Installation' is at the top left, with tabs for 'article' (which is selected), 'source', and 'history'. Below the title is a paragraph of text about sr.ht being a distributed system. A 'Table of Contents' section follows, listing numbered steps and their sub-links. Step 3, 'Installing SourceHut services', has several sub-links: 'sr.ht core', 'meta.sr.ht', 'Service configuration' (with 'Service keys' and 'Mail configuration'), and 'Database Configuration' (with 'Schema Upgrades', 'Upgrade procedure', and 'Start the daemons').

sourcehut

Log in — Register

Installation article source history

sr.ht is a distributed system. Each service, such as git.sr.ht and builds.sr.ht, runs independently, with its own database and resources. They communicate with each other using mainly their respective APIs and webhooks, and are mostly tolerant to the temporary or permanent absence of their peers. The system is fairly complex, and is designed more for deployment at scale than for small-scale installations. However, you can choose a subset of these services to install as your needs demand, and it will work correctly.

Table of Contents

- [1. Packages](#)
- [2. Prerequisites](#)
- [3. Installing SourceHut services](#)
  - [sr.ht core](#)
  - [meta.sr.ht](#)
  - [Service configuration](#)
    - [Service keys](#)
    - [Mail configuration](#)
  - [Database Configuration](#)
    - [Schema Upgrades](#)
    - [Upgrade procedure](#)
    - [Start the daemons](#)

# sourcehut

<https://sourcehut.org/>

Almost no JS

The screenshot shows the Sourcehut website's public projects page. At the top, there is a search bar labeled "Search all public projects" and a sorting dropdown set to "Recently updated". Below the search bar, a list of projects is displayed:

- ~vrischmann/zig-cassandra**  
Native zig client for Cassandra (CQL only)
- ~jullenxx/Castor**  
A Browser for the small internet (Gemini, Gopher, Finger)
- ~andy47/Gerald**  
A relational database schema introspection and documentation tool
- ~eriol/ansible.rpi**  
ansible stuff for Raspberry Pi
- ~ghewgill/neon**  
Neon Programming Language
- ~amacleod/aws**  
A Web Server

## Annuaire de projets

<https://sr.ht/projects>

# sourcehut

- We don't send your data to third parties<sup>3</sup>
- We have no tracking whatsoever
- Everything works without JavaScript anyway
- We don't use opt-out marketing emails
- There are no advertisements in the UI
- The hosted code is the same as the open source code
- No one can strong-arm us into taking on unethical business partners

<https://sourcehut.org/blog/2019-10-23-srht-puts-users-first/>

# Accessibility through simplicity

<https://sourcehut.org/blog/2020-05-27-accessibility-through-simplicity>

May 27, 2020 by Drew DeVault

## Achieving accessibility through simplicity

I have received many emails complimenting SourceHut's simple design and lightweight pages<sup>1</sup>, but I have received a surprising amount of positive feedback from a particular group of users: the blind community.

For many software teams, especially web developers, accessibility is an extremely burdensome task. Many companies have written checks with an uncomfortable number of zeroes on them to get the job done. Sprinkling [ARIA tags](#) all over your DOM to annotate elements with their purpose, and updating these as your DOM changes over time, is no small task, and makes your code more difficult to maintain. It's not especially surprising that many blind users are constantly frustrated when trying to use the web.

How did SourceHut make such an accessible website, even in the face of these trials? In truth, even though accessibility is important to me, I haven't worked especially hard to make SourceHut accessible — I have devoted no more than three or four hours, in total, explicitly towards accessibility. Instead, SourceHut is accessible because the core principles of simplicity upon which it is built naturally lead to an accessible design. We're here today to share our thoughts so that you might apply the same principles to your own website.

First, consider the audience you're designing for. Your users have a diverse set of abilities, and a varied approach to accessibility is necessarily required to accommodate for them. Different users will

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# Simplicity improves performance and reliability

<https://sourcehut.org/blog/2020-04-20-prioritizing-simplity/>

April 20, 2020 by Drew DeVault

## Prioritizing simplicity improves performance and reliability

We recently put together some automated testing which evaluates the performance of various software forges without bias<sup>1</sup>: the [Software Forge Performance Index](#). The goal is to push our community of software forges to strive for higher performance, to tighten your workflow loop and to better service communities without access to high-speed internet or newer computer hardware. I also included results for accessibility testing, hoping that we can push each other to improve on that front as well.

These tests show that SourceHut has room for improvement. For one, some important features are conspicuously absent, like a git blame view. GitHub beats out our performance at rendering commits and tickets, and on several pages GitHub and Bitbucket both have better accessibility scores than the equivalent sr.ht page. But the overall results are clear: SourceHut is the best performing code forge, and by a wide margin. The data also shows that our approach delivers the best reliability: our friends at GitHub and GitLab have struggled with outages [15 of the last 90 days](#) and [18 of the last 90 days](#), respectively. SourceHut has had [two outages in 2020](#), both of which were planned and announced a week in advance, and only one of which affected more than one subsystem.

The secret is, as you may have guessed, to prioritize simplicity. It's all too easy for a development team to chase after shiny features — I know because it tempts me, too. But sooner or later the chickens come home to roost, and you have a giant single-page application downloading a megabyte

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We have no Kubernetes here, no Docker, no CloudFormation, no monorepos. SourceHut has 10 dedicated servers and about 30 virtual machines, all of which were provisioned by hand. We prefer

These tests show that SourceHut has room for improvement. For one, some important features are conspicuously absent, like a git blame view. GitHub beats out our performance at rendering commits and tickets, a ores than the equivalent sr. **no moving parts that we don't understand.** code forge, and by a wide margin. The data also shows that our approach delivers the best reliability: our friends at GitHub and GitLab have struggled with outages 15 of the last 90 days and 18 of the last 90 days, respectively. SourceHut has had two outages in 2020, both of which were planned and announced a week in advance, and only one of which affected more than one subsystem.

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- Technologie,
- + Savoir faire

L'effet RGPD



Marcel Freinbichler

@fr3ino

v

Because of #GDPR, USA Today decided to run a separate version of their website for EU users, which has all the tracking scripts and ads removed. The site seemed very fast, so I did a performance audit. How fast the internet could be without all the junk! 😢  
5.2MB → 500KB

[Traduire le Tweet](#)

**Performance**  
These encapsulate your web app's current performance and opportunities for improvement.

**Metrics**  
These metrics encapsulate your web app's performance across a number of dimensions.

Metrics table:

Dimension	Value
First meaningful paint	14,360 ms
First Interactive (beta)	28,930 ms
Consistently Interactive (beta)	3,095 ms
Perceptual Speed Index	26,133
Estimated Input Latency	297 ms

Key findings:

- First meaningful paint: 14,360 ms
- First Interactive (beta): 28,930 ms
- Consistently Interactive (beta): 3,095 ms
- Perceptual Speed Index: 26,133
- Estimated Input Latency: 297 ms

**USA TODAY NETWORK EUROPEAN UNION EXPERIENCE**

A MESSAGE FROM USA TODAY NETWORK  
It appears that you're visiting us from a location in the European Union.  
We are directing you to our EU Experience.

This site does not collect personally identifiable information or persistent identifiers from, or associate with, visitors to the experience to, or otherwise track or monitor persons reasonably identified as visiting our Site from the European Union. We do identify EU Internet protocol (IP) addresses for the purpose of determining whether to direct you to USA TODAY NETWORK's EU Experience.

This site provides news and information of USA TODAY NETWORK. We hope you enjoy the site.

2:05 AM · 26 mai 2018 · [Twitter Web Client](#)



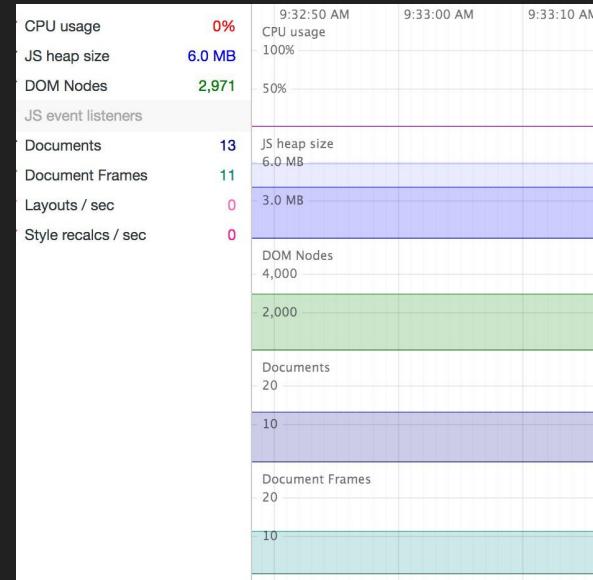
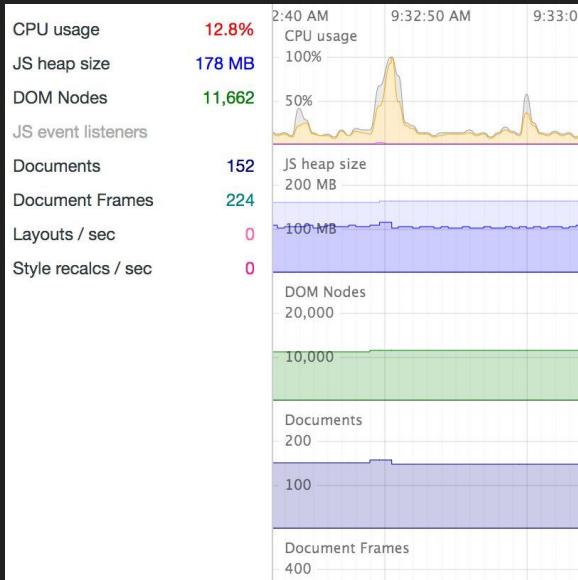
Jason Miller 🦊 ⚙️  
 @\_developit

Here's a recipe webpage after sitting for 5 minutes:

↙ with ads



with ads blocked ↴



D'autres exemples  
plus exotiques



# LibreTaxi

<https://libretaxi.org/>

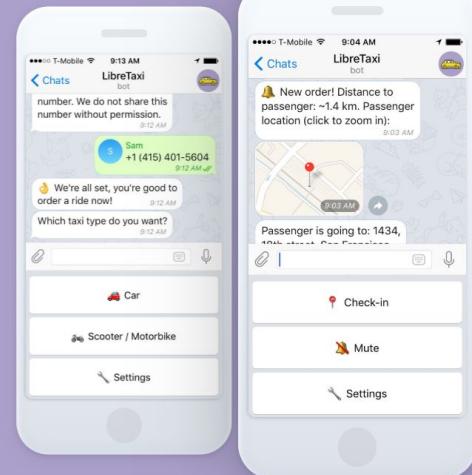
LIBRE TAXI

Free and open source  
alternative to Uber/Lyft  
connecting passengers and  
drivers.

LibreTaxi makes ridesharing affordable by getting rid of the third party between passengers and drivers. Negotiate the price before the ride is confirmed, pay cash upon arrival. 1-minute hiring for all drivers.

INSTALL

SOURCE



# LibreTaxi

Un village sibérien

Personne ne connaît Uber

Pas de filtres sur les groupes Telegram



Un chatbot !

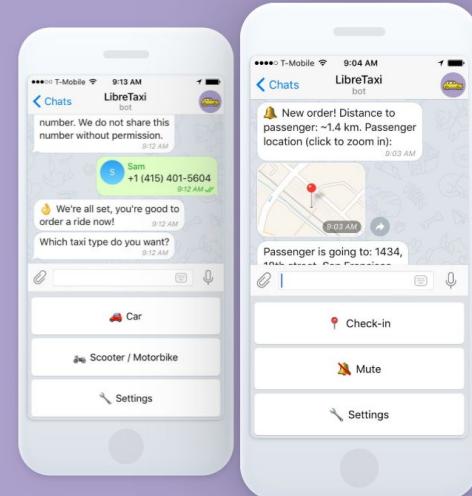
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Un chatbot !



[https://twitter.com/LibreTaxiOrg/  
status/904556328693112832/photo/1](https://twitter.com/LibreTaxiOrg/status/904556328693112832/photo/1)

# Scuttlebutt

<https://scuttlebutt.nz/>

# Scuttlebutt

## social network

a decentralised platform



Get Started



# Scuttlebutt

@Antoine Cailly

@UP7zpmox0RbLL1wMZ00xtYbpwmc/  
AQtmix5zbDLh0P8=.ed25519



[https://www.youtube.com/watch?  
v=ymDi-qwWvrc](https://www.youtube.com/watch?v=ymDi-qwWvrc)

# Scuttlebutt

Offline first



%hFnMpqI1w3iKdQ0XxYD/s1FU7  
t8D+fDxgyPkWssSmKk=.sha256

# Forever free

---

No ads.

No pay wall.

No data centers.

No cloud. No cookies.

No company. No investors.

No token. No ICO. No blockchain.

No tracking. No spying. No analytics.

No tedious registration. No premium costs.

No annoying notifications, emails, and banners.

<https://www.manyver.se/>

Des tendances  
similaire ?

mais avant ça,  
des questions ou remarques ?

# Progressive enhancement

Tous les navigateurs supportés (lecteurs d'écrans compris)

HTML sémantique

CSS et JS pour améliorer l'expérience utilisateur

Technology

[Give feedback about this page](#)

## Building a resilient frontend using progressive enhancement

From:

Last updated:

[Technology community \(frontend development\)](#)

5 months ago

### Page contents:

- [Start with HTML](#)
- [Using interactive elements](#)
- [Adding the extras](#)
- [Building more complex services](#)
- [Testing your service](#)
- [Do not assume users turn off CSS or JavaScript](#)
- [Case studies and related guides](#)

Progressive enhancement is a way of building websites and applications. It's based on the idea that you should start by making your page work with just HTML, before adding anything else like Cascading Style Sheets (CSS) and JavaScript.

This is because HTML is the most resilient layer. If the HTML fails there's no web page. Should the CSS or JavaScript fail, the HTML will still render correctly.

Using progressive enhancement means your users will be able to do what they need to do if any part of the stack fails. Building your service using progressive enhancement will:

- make your service more resilient
- mean your service's most basic functionality will work and meet the core needs of the user
- improve accessibility by encouraging best practices like [writing semantic markup](#)
- help users with device or connectivity limitations to use your service

<https://www.gov.uk/service-manual/technology-using-progressive-enhancement>

# Designed to last

- **Return to vanilla HTML/CSS**
- **Don't minimize that HTML**
- Prefer one page over several
- End all forms of hotlinking
- Stick with the 13 web safe fonts +2
- Obsessively compress your images
- Eliminate the broken URL risk

## A Manifesto for Preserving Content on the Web

### This Page is Designed to Last

By [Jeff Huang](#) on 2019-12-19

For a professor, the end of the year is an opportunity to clean up and reset for the upcoming new semester. I found myself clearing out old bookmarks—yes, bookmarks: that formerly beloved browser feature that seems to have lost the battle to 'address bar autocomplete'. But this nostalgic act of tidying led me to despair.

Bookmark after bookmark led to dead link after dead link. Vanished are amazing pieces of writing on kuro5hin about tech culture, and a collection of mathematical puzzles and their associated discussion by academics that my father introduced me to; gone are Woodman's Reverse Engineering tutorials from my high school years, where I first tasted the feeling of dominance over software; even my most recent bookmark, a series of posts on Google+ exposing usb-c chargers' non-compliance with the specification, disappeared.

This is more than just link rot, it's the increasing complexity of keeping alive indie content on the web, leading to a reliance on platforms and time-sorted publication formats (blogs, feeds, tweets).

[https://jeffhuang.com/designated\\_to\\_last/](https://jeffhuang.com/designated_to_last/)

# Choose boring technology

- Embrace boredom
- **Optimize globally**
- Choose new technology,  
Sometimes
- Just ship

Choose Boring Technology

@mcfunley

mcfunley.com

Wikimedia Dev Summit • January 2018

<https://mcfunley.com/choose-boring-technology>

<http://boringtechnology.club/>

# Brutalist Web Design

- Content is readable on all reasonable screens and devices.
- Only hyperlinks and buttons respond to clicks.
- Hyperlinks are underlined and buttons look like buttons.
- The back button works as expected.
- View content by scrolling.
- Decoration when needed and no unrelated content.
- Performance is a feature.

## Guidelines for **Brutalist** **Web Design**

Raw content true to its construction

By [David Bryant Copeland](#) Updated Jan 31, 2020

<https://brutalist-web.design/>

# Brutalist Web Design

“By default, a website that uses HTML as intended and has no custom styling will be readable on all screens and devices.

**Only the act of design can make the content less readable, though it can certainly make it more.”**

## Guidelines for **Brutalist Web Design**

Raw content true to its construction

By [David Bryant Copeland](#) Updated Jan 31, 2020

<https://brutalist-web.design/>

# Resilient Web Design

“Here’s a three - step approach I take to web design:

- Identify core functionality.
- Make that functionality available using the simplest possible technology.
- Enhance!”

# Resilient web design

by Jeremy Keith

<https://resilientwebdesign.com/>

Et dans les  
outils de dev ?

# La réhabilitation du fait maison

- Technologie,
- + Savoir faire



**Laurie Voss** @seldo · 1 mai

I cannot emphasize enough that "I should write my own framework!" is the wrong call 99.9% of the time.

[Afficher cette discussion](#)

<https://twitter.com/tjholowaychuk/status/1256180687088111616?s=20>



TJ Holowaychuk 🤖 @tjholowaychuk · 1 mai

I dunno, this is how I learned pretty much everything I know



Laurie Voss @seldo · 1 mai

I cannot emphasize enough that "I should write my own framework!" is the wrong call 99.9% of the time.

[Afficher cette discussion](#)

40

61

795



<https://twitter.com/tjholowaychuk/status/1256180687088111616?s=20>

# Writing HTML in HTML

Published on 2019-06-19

I've just finished the final rewrite of my website. I'm not lying: this is the last time I'm ever going to do it. This website has gone through countless rewrites – from PHP to WordPress to Jekyll to multiple static site generators of my own – but this is the final one. I know so, because I've found the ultimate method for writing webpages: **pure HTML**.

It sounds obvious, but when you think about how many static site generators are being released every day – [the list](#) is practically endless – it's far from obvious. Drew DeVault recently [challanged](#) people to create their own blog, and he didn't even mention the fact that one could write it in pure HTML:

If you want a hosted platform, I recommend write.as. If you're technical, you could build your own blog with Jekyll or Hugo. GitHub offers free hosting for Jekyll-based blogs.

Now, there's nothing wrong with Jekyll or Hugo; it's just interesting that HTML doesn't even get a mention. And of course, I'm not criticizing Drew; I think the work he's doing is great. But, just like me and you, he is a child of his time.

That's why I'm writing this blog post – to turn the tide just a little bit.

---

## So what are the benefits of writing HTML in HTML?

There's one less level of indirection.

This point is simple, but hugely important.

<http://john.ankarstrom.se/html/>

## Normal <a> tag

3.1 seconds

The screenshot shows the MDN web docs homepage. At the top, there's a navigation bar with links for "Technologies", "References & Guides", "Feedback", and "Sign in". Below the navigation is a search bar with the placeholder "Search". The main content area features a large heading "Element" and a sub-section titled "Languages". A detailed description of the `Element` class follows, explaining its role as the base class for all objects in a `Document`. The text states that it only has methods and properties common to all kinds of elements, with more specific classes inheriting from it.

**Element**

**Languages**

**Element** is the most general base class from which all objects in a `Document` inherit. It only has methods and properties common to all kinds of elements. More specific classes inherit from `Element`. For example, the `HTMLElement` interface is the base interface for HTML elements, while the `SVGElement` interface is the basis for all SVG elements. Most functionality is

## JavaScript navigation

5.2 seconds

This screenshot shows the same MDN web docs page, but with a noticeable performance difference. The "Feedback" link in the top navigation is highlighted in yellow, indicating it was the target of a click. The page content has shifted to the right, revealing a sidebar on the left side of the main content area. This sidebar contains links for "Technologies", "References & Guides", and "Feedback". The main content area now displays the "Element" page, with its descriptive text visible. The overall layout is wider than the first screenshot due to the sidebar.

**Feedback**

**Element**

**Element** is the most general base class from which all objects in a `Document` inherit. It only has methods and properties common to all kinds of elements. More specific classes inherit from `Element`. For example, the `HTMLElement` interface is the base interface for HTML elements, while the `SVGElement` interface is the basis for all SVG elements. Most functionality is

[https://carter.sande.duodecima.technology  
/javascript-page-navigation/](https://carter.sande.duodecima.technology/javascript-page-navigation/)

# Recutils

La BDD low-tech

# Recutils

<https://www.gnu.org/software/recutils/>



*Fred & George*

# Recutils

Données lisibles par un humain.

Données modifiables directement par un humain.

Indépendant d'un logiciel quelconque.

Facilement géré par les gestionnaires de version (Git, SVN...)

```
# -*- mode: rec -*-

%rec: Book
%mandatory: Title
%type: Location enum loaned home unknown
%doc:
+ A book in my personal collection.
```

```
Title: GNU Emacs Manual
Author: Richard M. Stallman
Publisher: FSF
Location: home
```

```
Title: The Colour of Magic
Author: Terry Pratchett
Location: loaned
```

```
Title: Mio Cid
Author: Anonymous
Location: home
```

```
Title: chapters.gnu.org administration guide
Author: Nacho Gonzalez
Author: Jose E. Marchesi
Location: unknown
```

```
Title: Yeelong User Manual
Location: home
```

```
# End of books.rec
```

des questions ou remarques ?

Conclusion ?

# Conclusion ?

des choix extrêmes

# Conclusion ?

des renoncements extrêmes

# Conclusion ?

choisir c'est renoncer

~~faire le bon choix~~

prendre conscience de  
ses choix

prendre conscience de  
ce à quoi on renonce

réduire la **fracture numérique**,  
améliorer l'**accessibilité**,  
respecter la **vie privée**,  
soigner l'**expérience utilisateur**,  
assurer la **pérennité** des applications,  
être en phase avec les **enjeux  
environnementaux**,  
etc.

%	 Energie	 GES	 Eau	 Ressources <sup>(1)</sup>
Utilisateurs	<b>64 %</b>	<b>84 %</b>	<b>91 %</b>	<b>79 %</b>
Réseau	<b>21 %</b>	<b>10 %</b>	<b>5 %</b>	<b>15 %</b>
Centres informatiques <sup>(2)</sup>	<b>15 %</b>	<b>6 %</b>	<b>4 %</b>	<b>6 %</b>

Répartition par tiers des impacts du numérique en France en 2020

%	 Energie	 GES	 Eau	 Ressources <sup>(1)</sup>
Fabrication	<b>41 %</b>	<b>83 %</b>	<b>88 %</b>	<b>100 %</b>
Utilisation	<b>59 %</b>	<b>17 %</b>	<b>12 %</b>	<b>0 %</b>

Répartition en fonction de l'étape du cycle de vie des impacts du numérique en France en 2020

high-tech    **slow-tech**    low-tech



Merci ❤

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Pause

TP

<https://github.com/acailly/tp-lowtechweb>

