

Red is the new **Blue**: Does True Security exist?

—

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Who am I?

2x Grace Hopper Celebration Student Scholar

CS Student Teacher through Microsoft

Cybersecurity Student

Girls Who Code Discord Mod

Does **true** personal security exist?

Data Collection / 3rd Parties

It's widely known that most companies collect/sell your data **even** without your knowledge

Even if you use a fake identity they can still track device, browser, IP Address, browsing habits (***Incognito included***)

Best Search Engine?



DuckDuckGo is seen as a good alternative to privacy,

“they only store search results”

I'd recommend it ***but***, it is a big search engine so there's ***not 100%*** certainty for *privacy*

Major search engines such as Google, Bing, Yandex collect pretty much everything on you

Social media -- do we actually NEED it?

It's no joke that employers ask for/look at socials

Sometimes we do need it for social life reasons

Many sites use analytics/browsing history to direct ads your way



Have fun with it but use
With caution :)



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29

3 Comments 9 Shares



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Share



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22

5 Comments 3 Shares



Like



Comment



Share

‘Data Mining’ or simply fun?

Most people won’t socially engineer you

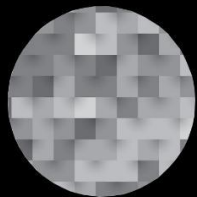
‘if it’s on the net it can be accessed forever’

Examples: ‘What was your first car/job/etc?’ ‘What nicknames did you go by?’

So your friends will likely not manipulate you or passwords, but weirdo hackers and internet creeps see this as an easy way to obtain info

Also... do you really, personally know *400+* *people* (especially off FB?)

9:49



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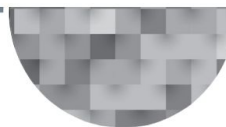
Message



Spotify



ACL 2019



Friends

Message



Founder/Designer at

Studied at University

Went to High School

Lives in Texas

From Texas

Single

... See About Info

Traveling Attending Concerts

Eating 3D Modeling

Arcade Games Art

Watching Movies Animation

Video Games Listening to Music



No Google? Then what...

Every time you search or need info on the fly, drive up to your local library!

“Wait I need to **Google** where that is!”

In iOS, the maps app and Waze records the history of where you often go.

Gladly some apps only track while

In-app, but stuff still applies.



Spyware devices



Siri



Wait wut...

These devices, technologies, etc. also collect and send your browsing history/demographics to 3rd parties! ***Who knew!***

Even if you use fake identities you still give access to apps and payment options for ordering stuff like pizza

Also you give away your wifi information for it to access appliances, lightbulbs, TV's and all the information with those devices

Gift Cards

What I used to do:

Buy Gift Cards from other stores (ie. Buying iTunes cards from Walmart) to protect identity

Paypal and Venmo require identification **(SSN, Bank account, etc)**

That app you buy Gift Cards for will know you anyway **(to confirm orders etc)**

If you ask friends to buy for you, it will know them, too

Banking and Credit Score

This stuff is available online, free, for your perusal.

Equifax had a massive breach years ago exposing everyone's info. People lost a ton of money

Stuff for this reports your quality of credit, general history, etc.

With that, every piece of you online and offline can be assumed or attached to your accounts (number, emails, name/alias, etc)

Phones

SIM Cards are a one-stop shop for hooking up your identity to your phone #.

Apps and 3rd parties love this!!!

Cell/LandLine history available online (USA, Australia)

Signal, Google Voice and **WhatsApp** ask for your number

In China and other countries, your phone number/name associated with everything you do

Social Score

Credit Score

In places like India (**Caste System**) still in place, determines who you date and talk to

Dating sites **specific** to caste rank (often asks for proof of residency/private info)

Wait... my messages are safe right....

Apple's iMessage Suffers From Major Security Flaw!

Basically, the E2E Encryption method **they use** is faulty and not secure compared to other, to-scale methods

Only way to be secure: **Disable** iCloud services forever

What about my private twitter and Finsta?

The **Instagram breach** did not expose financial information, but it did grant access to location and contact information that may not have been meant to be public. The exposed database contained the profile pictures, city and country location, phone number, email address and number of followers of each user. Breaking down the **Instagram breach**

Instagram Breach Exposes Personal Data of 49 Million Users ...

[www.cpomagazine.com/cyber-security/instagram-breach-exposes-personal-data-of ...](http://www.cpomagazine.com/cyber-security/instagram-breach-exposes-personal-data-of-...)

Facebook and Instagram breach: what happened, and what to ...

<https://www.abine.com/blog/2018/facebook-instagram-breach> ▼ ⓘ

ProtonMail and Signal are secure!!

“ProtonMail under scrutiny after it shares activist’s IP address with authorities”

PocketNow, 7th September 2021

“That exploit enabled an attacker to listen to FaceTime users by calling the target, even if they didn't pick up the call. (iOS Users Specifically)”

Davey Winder - Forbes (5th October 2019)

Additionally, Signal exposes your number **even** if it is a VoIP or burner number.

But I can trust celebrities..... right?

Twitter Breach : Massive Cyber Attack Of 2020 | Managed IT ...

<https://www.teceze.com/twitter-breach-massive-cyber-attack-of-2020> ▼

In the breach, hackers gained access to the accounts of several high-profile Twitter users, including US presidential candidate Joe Biden, billionaire entrepreneur Jeff Bezos, and trillion-dollar tech company, Apple. The hackers used the access they gained to conduct a simple bitcoin scam. The access to such high-profile Twitter accounts took advantage of a coordinated social engineering attack on key Twitter employees, gaining access to internal systems.

Wait...

But isn't Health Information **SECURE**?!



Ireland's health service hit by 'significant ransomware attack'

Healthcare IT systems have been shut down as precaution.

Hackers reportedly breach hospital surveillance cameras, exposing the security risks of connected devices

by Brian T. Horowitz, Heather Landi | Mar 11, 2021 7:35am

RCM vendor data breach affects 136,000: 5 hospitals, health systems involved

Hannah Mitchell - Friday, April 16th, 2021 [Print](#) | [Email](#)

“This is all too much... forget tech!”

Let's say you wanna become Billy the Farmer.

You invest THOUSANDS in equipment, land, etc.

You get connects in the industry and all that cool stuff

DEF CON: Security Holes in Deere, Case IH Shine Spotlight on Agriculture Cyber Risk



Paul Roberts

9 hours ago



Storm on the Farm

This was later found to be **FAKE NEWS** (@JohnJHacking and Sakura Samurai, thank you)

But this is still concerning especially for certain devices such as cameras and IoT

How to be creeped on!!!!

Tell your stalkers to use these sites:

ZABASearch

FB/Instagram/Twitter (**Bonus** if it's not private)

USPhoneBook



WhatsMynome.app

ThatsThem

OSINT Framework

Free Reverse Phone Number Lookup



-  » Search by Name
-  » Search by Address

Free* People Search and Public Information Search Engine!

Name, Age, Address, and Partial Phone Numbers.

PEOPLE SEARCH

REVERSE PHONE SEARCH

First Name:	Last Name:	City:	State:		
<input type="text" value="eg. John"/>	<input type="text" value="eg. Smith"/>	<input type="text" value="eg. Chicago"/>	<input type="text" value="All 50 States"/>	<input type="checkbox"/> This is me	<div>SEARCH</div>

How to stop creeping

Just don't

But police tend to not care for these so.... Keep creeping?



So.... does security exist?

The Question: Can we consciously/ethically be protected online?

Basically, no.

Stranger Danger gains a new meaning as time passes - we can't be too paranoid all the time

How to protect yourself 100 %

Go live off-the-grid somewhere remote

Don't even seek asylum or have devices



Questions? Comments?

Follow me @CatieSai on Insta and Twitter

CatieSai.com to creep on me!!!

LinkedIn: /in/CatieSai