Designing for **privacy** in mobile and web **apps**

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Part I: Present Day



What is Privacy?



The ability to have control over where your content goes and who it is accessed by.

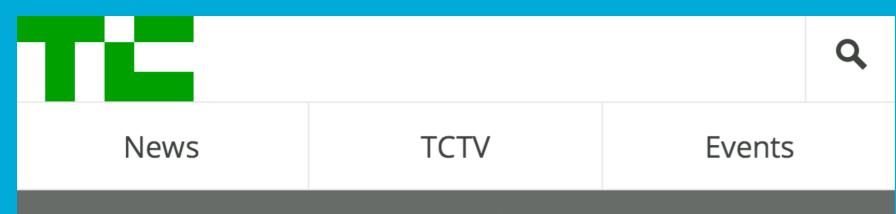


The ability to choose what content you share, view and access without being tracked.



Privacy is the ability not to be surprised.





ANNOUNCEMENT Get your Crunchies tickets here!

Glitch Is Causing Thousands Of Emails To Be Sent To One Man's Hotmail Account

Posted Jan 24, 2014 by Sarah Perez (@sarahintampa)

















David S. Peck is getting a lot of emails. In a glitch possibly related to the massive Gmail outage underway right now, there's an odd bug in Google search which is pointing users directly to his personal email address. The

address appears in a "Compose" window that pops up when the top search result for Gmail is clicked. Yes, it's bizarre. Very,



Privacy can also be a feeling or perception of security.

This perception of security can be designed.



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Privacy on the Web

Old Web:

Social silos don't exist. Where you go on the web is not tracked

New Web:

Logged into FB, Google: everything you look at is tracked





"We invest much of our lives into virtual 'condos' that anyone can walk into and do what they like."

-@rahulsen79



We're all living on borrowed space





Changing user interfaces





How can we design for privacy?

- 1. Temporary Solution (Privacy by Design)
- 2. Longer term Solution (Data Ownership)



Part II: Privacy by Design



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Smartphone Cameras



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Google Glass



What was different?

- Design and product launch
- Developer on-boarding fail
- Secrecy/Mystery/Exclusivity

Closed system

Too many features

Price



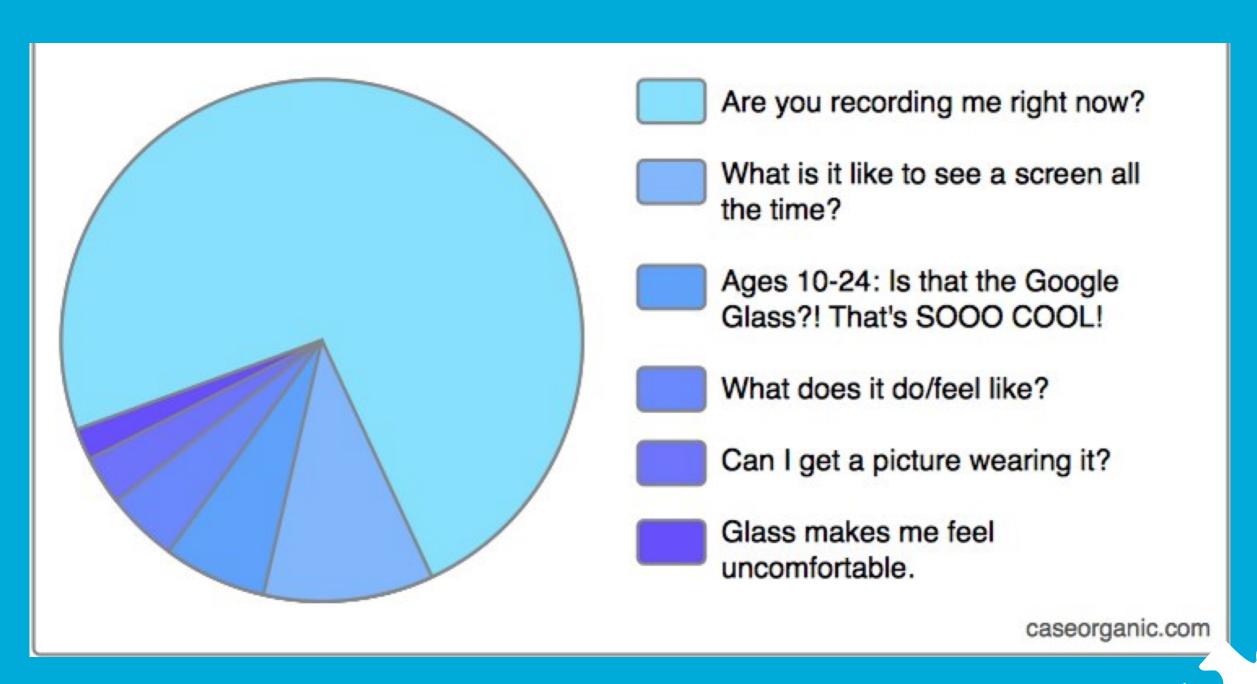


Results

- Reduced play
- Confusion
- Pseudo-elite status
- Fear
- Speculation



Questions people ask me when I'm wearing Google Glass



Compare to iPhone Developer Launch

Development tools available **before** new hardware/OS **released**

\$99 fee

Launch: many apps

People had phones already



Technology

Example

Social Effect

Enhancing

Fear-inducing

Normal



Invisible

Restorative



Accepted



Trying to "Calm" the device

Headbanding: "moving one's Glass before entering an establishment"







Half of privacy is perceived

The idea of privacy is **socially created** and attached to behavioral norms.

Behavior can change when **norms change**.



Part III:

Building privacy into mobile and web apps

#dataprivacy



1. Get a privacy policy

Privacy policies are regret management tools.

Only 30% of mobile app developers have one.



Minimum Viable Privacy Policy:

Who you are (identity and contact details),

Categories of personal data the app wants to collect/process,

Why the data processing is necessary (for what precise purposes),

Whether data will be disclosed to which third parties

Data withdrawal rights and account deletion policy

2. Simplify and Consolidate

Privacy policies should be **easy** to understand

Create **two sections** – Plain Text and Legalese



Terms of Service; Didn't Read

MEDIUM

Reserves the right to use your name and content for **any purpose forever**, even if they get acquired in the future.

Wikia

Communities don't own their content and can't transfer it off their site.



How many of you have read the entire iTunes privacy policy?



Privacy Policy

Your privacy is important to Apple. So we've developed a Privacy Policy that covers how we collect, use, disclose, transfer, and store your information. Please take a moment to familiarize yourself with our privacy practices and let us know if you have any questions.

Collection and Use of Personal Information

Personal information is data that can be used to uniquely identify or contact a single person.

You may be asked to provide your personal information anytime you are in contact with Apple or an Apple affiliated company. Apple and its affiliates may share this personal information with each other and use it consistent with this Privacy Policy. They may also combine it with other



Apple Inc. has been awarded TRUSTe's Privacy Seal signifying that this Privacy Policy and practices have been reviewed by TRUSTe for compliance with TRUSTe's program requirements including transparency, accountability, and choice regarding the collection and use of your personal information. The TRUSTe program does not cover information that may be collected through downloadable software. If you have questions or complaints

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creative commons

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Disclaimer

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Share — copy and redistribute the material in any medium or format

Adapt — remix, transform, and build upon the material

for any purpose, even commercially.

The licensor cannot revoke these freedoms as long as you follow the license terms.

3. Allow people to access / export their data

Do you remember?

- Geocities (1994-2009)
- Lavabit (2004-2013)
- Myspace.com (zombified)
- Upcoming.org (2003-2013)
- Posterous.com (2008-2012)
- Gowalla (2007-2012)



4. Privacy by design vs. privacy by disaster

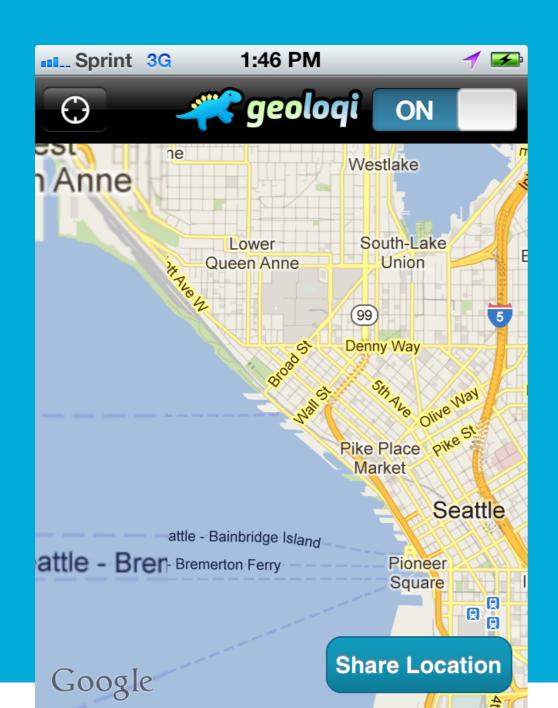
Privacy consideration should be incorporated into **every aspect** of your app.

Web, **legal**, user experience, **messaging**, marketing and **development**.

Act now or be forced to act later.



5. Consolidate and simplify settings and permissions

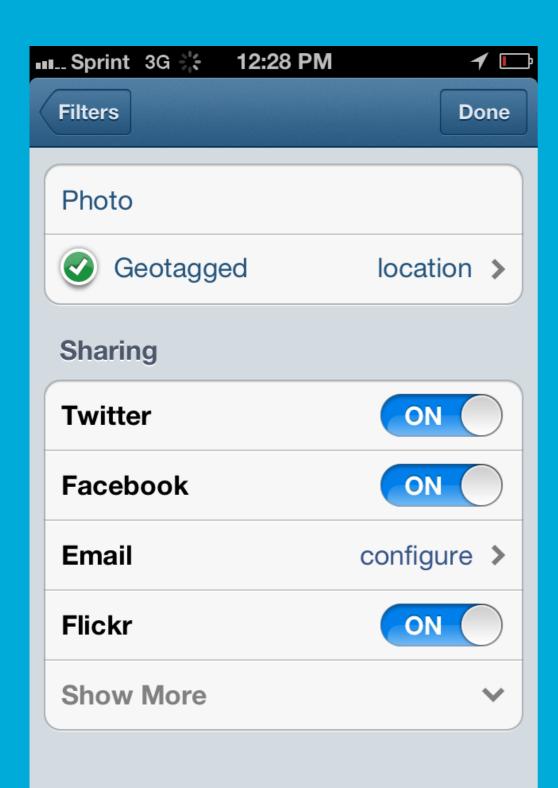


Make controls easy to access.

On/off switches, simple settings.



6. Contextual Privacy

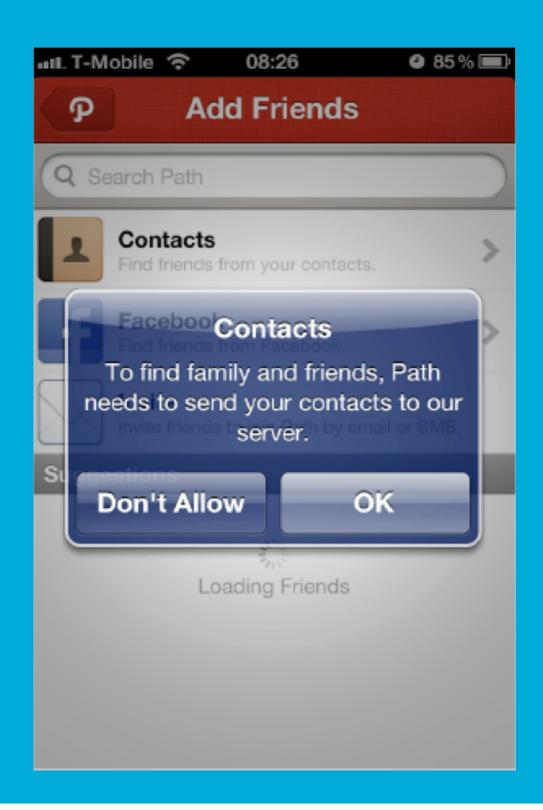


Instagram, Facebook, Foursquare do this well.

Expose privacy controls with every piece of content that can be created or shared



7. No one is perfect



Hosting user data is a privilege, not a right

Apologize immediately if you make a mistake. Fix the problem immediately



8. Authentication and Permissions

Allow for temporary authentication

Show data options and time

Privacy and Permissions	
http://sampleurl.com	
Privacy and Permissions: 3rd Party Apps and Places	
Edit places Revo	ke access
Grocery App	
Has access to your location at the following places to deliver shopping lists and grocery reminders.	
New Seasons	Portland, OR
Walgreens	United States

Portland, OR

Whole Foods

8. Authentication and Permissions

Places and History

A list of the places you've been and the times you've been at them.

Delete Place

Delete History

Palio's Coffee Shop (click to edit)

Created 2011-02-27 01:09:16 45.50827, -122.648776



History

4/09 4:18pm to 12:18am 8hrs

3/27 10:00pm to 1:00am 3hrs

Water Avenue Coffee (click to edit)

Created 2011-02-05 00:10:36 45.51516, -122.66546



When in doubt give control



9. Community Involvement



Search for people, places and things

Q





Home 20+

Α

Proposed Updates to our Governing Documents

November 21, 2012 at 6:40pm @

Proposed Updates to our Governing Documents

by Elliot Schrage, Vice President, Communications, Public Policy and Marketing

Today we are proposing some updates to two documents which govern our site: our Data Use Policy, which explains how we collect and use data when people use Facebook, and our Statement of Rights and Responsibilities (SRR), which explains the terms governing the use of our services. These updates provide more detailed information about our practices, reflect changes to our products, and improve how we conduct our site governance process.

Improving the Site Governance Process: Our goal has always been to find ways to effectively engage your views when we propose changes to our governing policies. That commitment guided our decision in 2009 to launch an unprecedented process for user feedback. When we held our second global site governance vote in June, we indicated that we would review our site governance process in light of the growth of both our community – to over one billion users – and our company – which is now publicly traded and accountable to regulators around the world. Our intention was to make sure the process still served its original purpose.

As a result of this review, we are proposing to restructure our site governance process.



Notes by Facebook Site Governance All Notes

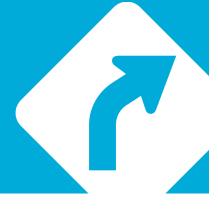
Get Notes via RSS Embed Post Report

10. Be Clever: Accomplish your goals in the least amount of moves*

*even/especially if it takes more time to think about the solution.



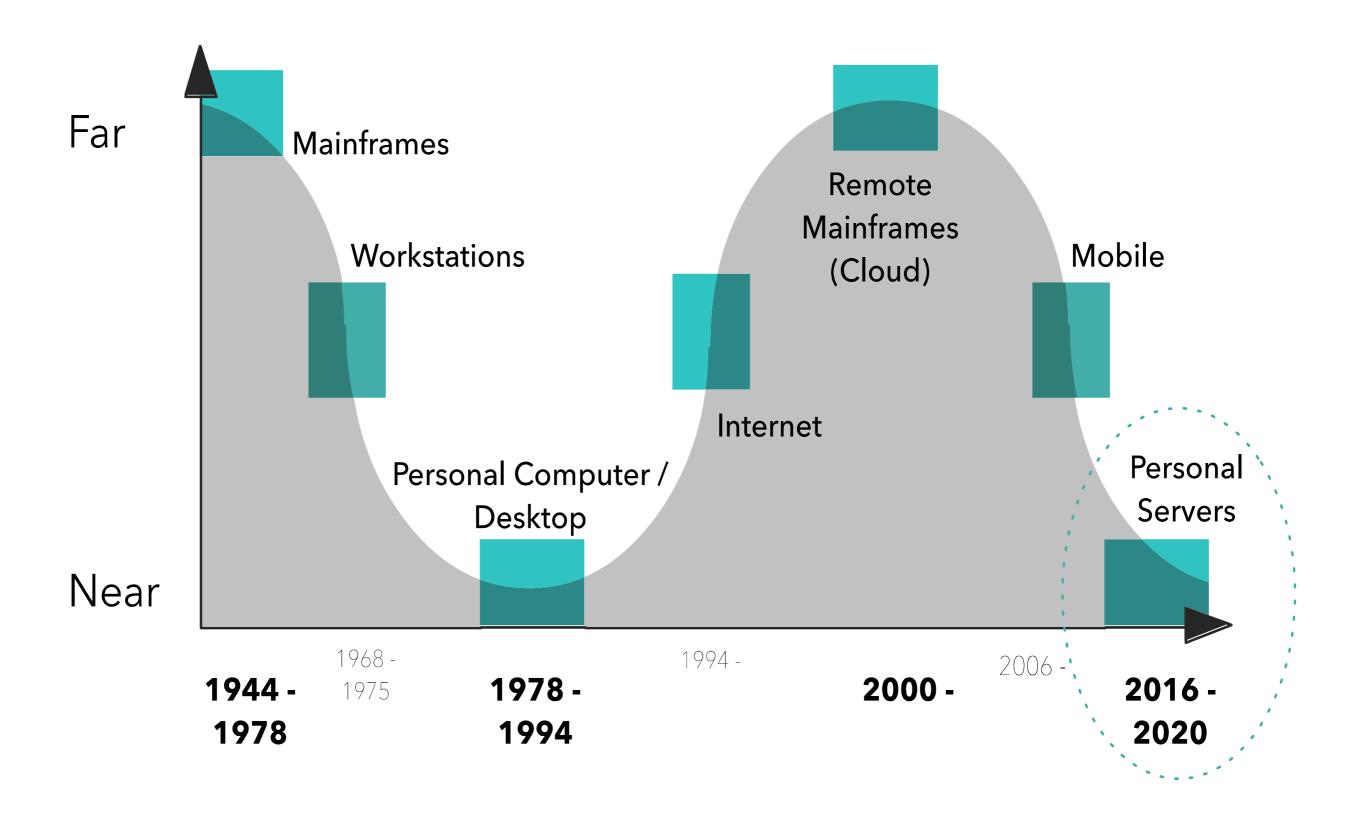
Part IV:
The Future of
Privacy and Data
Ownership



Technology should make use of the near and the far



Evolution of computers over time



Process as much as possible on the device itself.







Easier to Consume vs. Create



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S_{coCities}



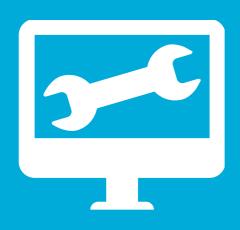


What happened?



Own your own data

Build your own website



Use **social networks** for distribution

Web frameworks will emerge that will make this easier

Why do we need an independent web?

Afraid of **losing** your photos and files
Frozen account due to violated TOS **Lost content** due to acquisition

Silos profiting off your data

The ability to **create again**



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Freedom!

The freedom to decide **what content** and what types of content to publish, and to store over time

Control your UI/UX – you decide

Own your content forever

Websites Activity Learn Support Us Sign up for Free Sign In

Sites on Neocities

Sort by:

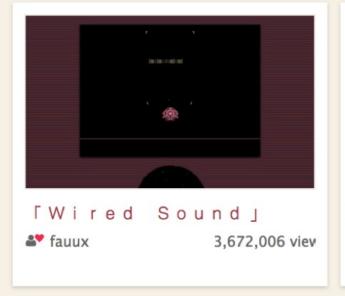
Most Followed

Update

Filter by Tag:

pokemon

Filter







spriteclad

67,951 views



A.N. Lucas's Web Lounge

anlucas

226,068 views

html, 90s, 2000s, fireplace, art



2Bit - A website about 2bit ...

2bit

208,105 views

90s, gameboy, retro, pixels



Suyu

s suyu 134,583 views

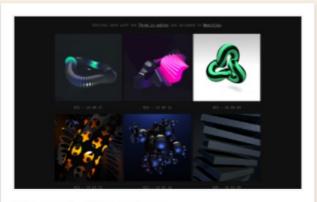
anime, evangelion, rei



THIS IS MELON LAND

melonking 57,908 views

videogames, computers, art, anime...

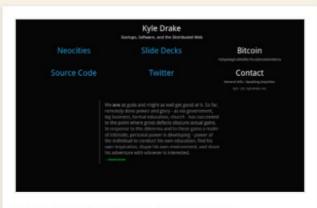


Three.js Sketches

ardoob

31,998,037 vi€

threejs, webgl, 3d



Kyle Drake in Cyberspace

kyledrake

109,313 views

personal

Homestead!

A home for your data

Your blog becomes a **creative outlet** for you + **learning place** for new stuff

Hyperlinks on the open web, giving web back its richness

Thank you!

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