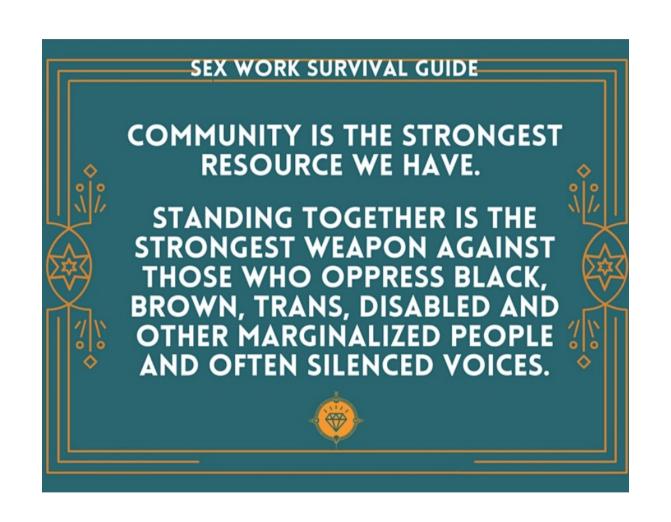


**note:** use arrow keys or fingers to swipe through slides. **note:** LINKS IN SLIDES DO NOT WORK ON MOBILE PHONE.





This presentation took place during a two day conference January 9-10, 2021

LINK TO SLIDES: <a href="http://bit.ly/SWSURVIVALGUIDE-onlineprivacy">http://bit.ly/SWSURVIVALGUIDE-onlineprivacy</a>

VIDEO OF PRESENTATION: <a href="http://bit.ly/SWSURVIVALGUIDE-onlineprivacyvideo">http://bit.ly/SWSURVIVALGUIDE-onlineprivacyvideo</a>

We will update the slides with the link to the presentation on Pornhub's Sexual Wellness Center (free) and Q&A on IG when they are available.

Slides last updated: January 14, 2021
This information's best by date: January 17, 2023

# "How to establish and maintain accounts online with privacy."



SET YOUR PERSONA FREE!

## **resource:** Digital Security Training Hacking Hustling with Daly Barnett from EFF



we don't cover this so please watch https://www.youtube.com/watch?v=yuAuyV-efqo

### resource: privacy recipe creating an online persona

## PRIVACY RECIPE: Creating an online persona



matt mitchell Jun 15, 2019 · 18 min read



How To Create a Private Online Identity with An Anonymous Email Address and a Virtual Phone.

Research & writing by @geminiimatt

Edited by Sage C.

First published: June 15, 2019 Last updated: October10, 2020

we don't cover this so please **read** how to create ghost accounts

### resource: dating apps open up their own security/privacy issues.

if a dating app or messenging app allows you to see users near you. that information can be tricked by someone faking their location around 3-4 points around you. this allows them to find detailed information on where you actually are. (not less than 1km or 1mile)



read: "are dating apps safe" AND "dangerous liasons" for details.

### **INTRODUCTIONS:**



**slammer:** (she/they)

grassroots digital security trainer

<u>@pumzi code</u>

### **INTRODUCTIONS:**



matt: (he/they)

hacker & founder of cryptoharlem

<u>@geminiimatt</u>

### compartmentalization:

we are many people. our persona is just one.



the problem is our technology.

# our persona should have all the things a neighbor would...

- their own computer
- their own internet service
- their own phone
- their own email account
- their own "bank account"
- their own "face/look"
- their own address
- their own photos & videos

### **WHY**

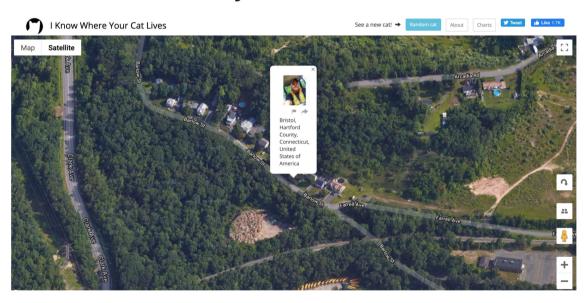
give your persona their own computer.

- Many of the files on your computer get imprinted with your username and information. this information exist in many videos and images. one type of this information is called metadata & another is called EXIF.
- Some programs share information with others and its nice to have a clean break/fresh start.
- No files unrelated to sex work exists on your persona's computer.

to give your persona their own computer.

- Make a new user on your <u>mac</u>, <u>pc</u>, or <u>linux</u> machine.
  Use a different web browser and keep your computer's desktop empty with a different background image.
- You can even lock away the files and folders for this user behind a password using a program called, <u>Cryptomator</u>. this programs locks away the files and folders you put into it. scrambles (or encrypts) the files with a password. making them invisible to the search tool on your computer unless you open them up.
- There are websites to <u>view</u>, <u>analyze</u> & <u>erase</u> metadata. Also apps for iOS & Android that clear it out.

how to give your persona their own computer.
CLEAN UP EXIF &META data: "I know where your cat lives" uses the metadata and EXIF info of images found on the internet to map the location of where they were taken.



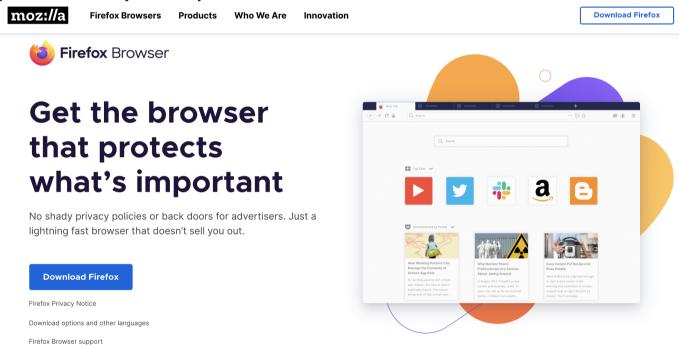
iknowwhereyourcatlives.com

how to give your persona their own computer. CRYPTOMATOR lets you lock up your files & folder for your new user.



how to give your persona their own computer.

FIREFOX is an example of a browser you might not already be using, great for your persona.



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### **WHY**

give your persona their own internet service.

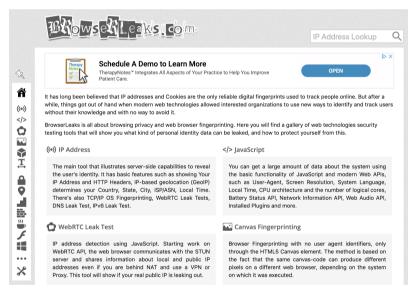
- We were told it is browsing the web or surfing the information super highway. Its more like opening a door. You look out, the other side - the website looks in at you.
- Every phone or laptop connected to the internet has an address online. That address or internet protocal (i.p) address is linked to a physical location in the real world.
- Anyone who uses the same internet connection as you can
  potentially see the sites you visit. Your internet provider can
  also see the names of the sites you visit as it serves them to
  you.

to give your persona their own internet service.

- Using a VPN (virtual private network) gives you a secure and encrypted tunnel between your phone or laptop and the outside internet.
- When you use a VPN your internet protocol (i.p) address is changed to be from a different place. <u>BITMASK.NET</u>, <u>PSIPHON.CA</u>, <u>GETLANTERN.ORG</u> are free VPNs that are safe to use.
- <u>TUNNELBEAR</u> offers free VPN service for 500MB of data a month. <u>PROTONVPN</u> offers 7 days free trail then free but slowed service after that.

### how to give your persona their own internet service.

BROWSERLEAKS lets you see all the information a website can learn about you when you visit. From the fonts installed to your location. Use it before then after connecting to a VPN to see your ip address change.



browserleaks.com

**how to give your persona their own internet service.** *TUNNELBEAR* is an easy to use and dare i say fun VPN that offers a limited amount of free use each month. you can appear to be somewhere else.



tunnelbear.com

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### WHY

give your persona their own phone.

- You and your persona should not be using the same phone number for customer related work.
- Reverse-Lookup websites allows someone to access detailed information about you by entering your phone number.
- Some apps pull the addressbook/contacts of people who use them. For example some apps designed to stop robo callers add names and numbers from the phone its installed on to a public database. TRUCALLER is an example of an app that can accidently "out" you this way.

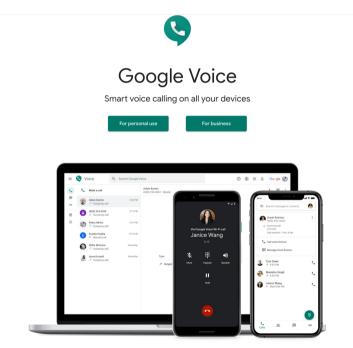
to give your persona their email account.

- Use a virtual phone number service, google voice offers a free virtual number to anyone in the USA/Canada and a few other countries. You can even install the mobile app and your new number will ring.
- Paid services like gsuite voice, burner, dialpad, skypeout, offer virtual numbers as well. Hushed.com offers international numbers all have mobile phone apps.
- Secure messaging apps like Signal & Whatsapp accept virtual numbers.

to give your persona their own phone.

- Websites like twitter & google usually do not allow you to register with virtual numbers.
- A privacy preserving alternative to a virtual number is to buy a month-to-month cell phone plan to get a clean number to create accounts on websites. Be sure to set up Two Factor Auth (2FA) with an app like AUTHY.COM once you make an account with a sim card that you will throw away in a month.
- Many android phones allow you to create a new user or profile. This user can install their own version of apps and you can switch back and forth from the same physical device. apple is working on multiple user iOS feature.

how to give your persona their own phone. *VOICE.GOOGLE.COM* is an easy and free way to get "another number".



A smarter phone number

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### **WHY**

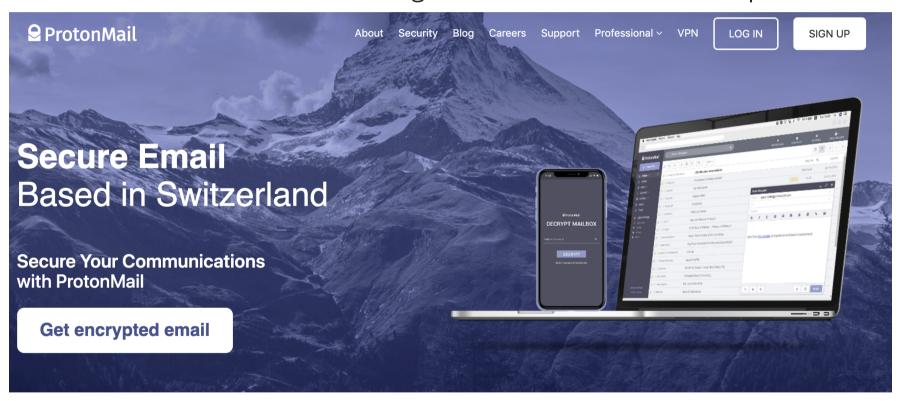
give your persona their own email address.

- You and your persona should not be using the same email address for customer related work.
- There are many different services you will use to market, promote, list, & sell goods on. Most will need an email. Use one made for your persona.
- Encrypted email services like <u>TUTANOTA.COM</u> & <u>PROTONMAIL.COM</u> work best and most fool-proof when messages are sent from accounts on the same service so get your clients to use the one you do.

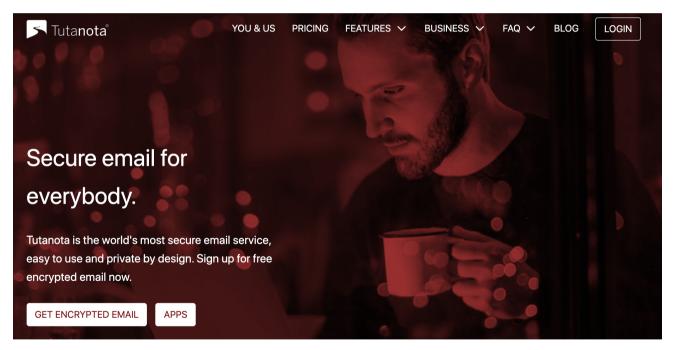
to give your persona their own email address.

- Use a privacy protecting email service like TUTANOTA.COM or PROTONMAIL.COM.
- PROTONMAIL.COM offers self-destructing messages when both users use protonmail accounts. They also have a experimental encrypted calendar.
- TUTANOTA.COM offers an encrypted calendar, contacts/addressbook, and message subject/address field.

### how to give your persona their own email address. *PROTONMAIL* offers self destructing emails if both users are on protonmail.



**how to give your persona their own email address.** *TUTANOTA* offers an encrypted calendar and addressbook. They also offer encrypted subject, to/from (not just email content) if both users are on tutanota.



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### **WHY**

give your persona their own "bank account". By "bank account" we mean a way to send/hold/receive funds.

- Some of the most popular payment processors prohibit sex work related transactions.
- VENMO, PAYPAL, SQUARE UP, CASH APP, STRIPE, GOOGLE PAY SEND, TRANSFERWISE, REVOLUT even BITPAY and COINBASE have strict policies prohibiting sex work related transactions.
- Investigations on your account can lead to your payment processor account being inaccessible or frozen.
- Paper currency is cumbersome and can lead to safety issues.

to give your persona their own bank account.

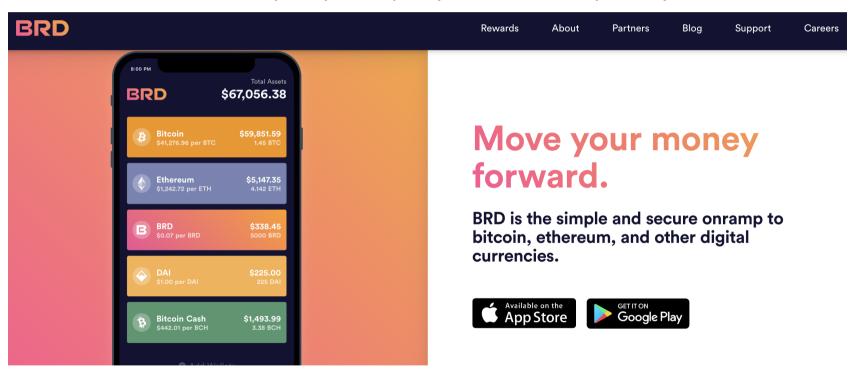
- One-time use gift cards like those found in many USA pharmacy chains can be purchased with cash and used to buy things with any billing name or address. These cards do not have a chip so are not accepted everywhere.
- "e-wallets" and other services like Cosmo Payment, ePayService, ePayments, Getsby do not offer USA customers a way to sign up. Paxum requires a registered business for USA customers to get a business account.
- Cryptocurrency wallets like BRD can be the answer for many. BRD allow you to send/receive bitcoin (BTC), Dai (DAI), and tether (USDT). Money can be withdrawn from <u>BRD ATMs</u>.

to give your persona their own bank account.

- <u>BINANCE, PAXFUL</u>, <u>PAYCENT, WIREX</u> offer credit cards that are linked to cryptocurrency accounts.
- VERGE offers a list of <u>vendors</u> who allow you to pay using it.
   Paycent from the above list is a partner in VERGE. VERGE is a cryptocurrency.
- Look into the world of Authorised Payment Institutions (API) and Electronic Money Institutions (EMIs)
- Look into transparency, privacy, and security issues of cryptocurrency wallets. Follow best practices. When you first create your wallet WRITE DOWN YOUR SEED! <u>Cautionary tale</u>
   another...

### how to give your persona their own bank account.

BRD offers a cryptocurrency wallet for android and iOS that can receive bitcoin (BTC), Dai (DAI), and Tether (USDT)



## how to give your persona their own bank account.

VERGE offers a privacy enhanced cryptocurrency and participating online stores that accept it as payment.



## how to give your persona their own bank account. SAMOURAI offers a secure stealth wallet that makes it difficult to follow

SAMOURAI offers a secure stealth wallet that makes it difficult to follow bitcoin payments but requires learning.



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#### WHY

give your persona their own face & look

- Reverse image search is a thing using TINEYE, GOOGLE IMAGES, & YANDEX. use one-time unique images.
- A distinct room, filled with unique items may gleam your identity or location. Shadows from sunlight can identify your location and local time. Use artificial light and consider whats showing.
- Computerized vision, object recognition, and image classification technology is a thing. Learn more about it.

#### **HOW**

give your persona their own face & look

- Reverse image search using TINEYE who claims not to store the image. Google will keep the image to improve their product. Only if TINEYE can not find it should you consider using another lookup service.
- Mistress Fae <u>@MistressFaeNYC</u> had a great video on instagram about how computers "see" adult content. Apparently instagram killed her account for it. Look for this series when it surfaces.
- Use Infinite Red's <a href="NSFWJS.com">NSFWJS.com</a> to check how a computer might view your image. Ranked by whether its porn, drawing, hentai, sexy, or neutral. The <a href="code is available.">code is available.</a>

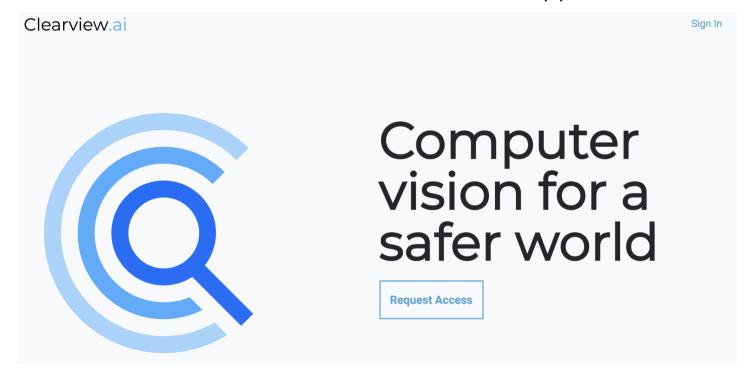
#### **HOW**

give your persona their own face & look

- Check out the <u>CHOOCH AI</u> tool on a phone to see a demo of how computer vision works real-time.
- Check out Google's <u>AUTOML Vision</u>Al <u>tool</u>. <u>IBM Watson</u> <u>Studio</u>, <u>IBM Watson Vision Recognition</u>, <u>Microsoft Azure</u> <u>computer vision</u>.
- Technology exist to track images & videos you send to find who leaked them. For example <u>IMATAG</u>.
- Computers can read. Use a <u>"All My Links"</u>, <u>BIO.fm</u>, or <u>linktree</u>, link in your profile bios on vanilla social media. keep your personal social media account and images private!

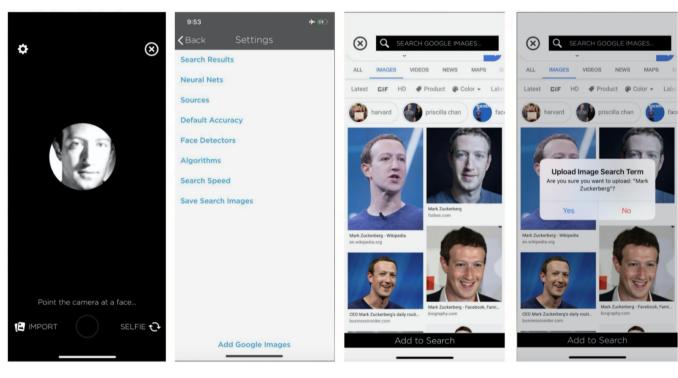
### how to give your persona their own photos/look.

CLEARVIEW AI was featured in a nytimes <u>article</u> they offer law enforcement & investors a face identification app



## how to give your persona their own photos/look.

CLEARVIEW AI compares the face from a camera phone picture to public images online.



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#### **WHY**

give your persona their own address.

- You and your persona shouldn't live in the same place.
- When receiving gifts, presents, and tribute online services or sellers might leak data or be confused/tricked into leaking data.
- Data broker sites like <a href="SPOKEO.COM">SPOKEO.COM</a> pull information from various places and might link your SW persona/identity with your real world identity.
- There are laws against putting incorrect/inaccurate information on P.O Boxes etc.( 18 US Code § 1342)

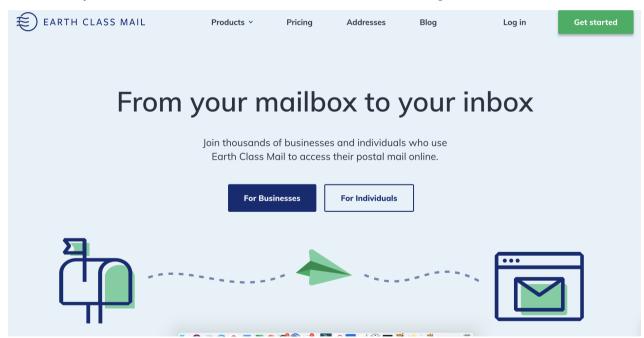
#### **HOW**

give your persona their own address.

- These services can be used in conjunction with your regular deliverycode, SpoiledOnline, wantt, amazon wish list, etc.
- EARTHCLASS MAIL, ANYTIME MAILBOX, POSTSCANMAIL, iPOSTAL1, VIRTUALMAILBOX, US GLOBAL MAIL are "virtual mailbox" companies that receive your mail, alert you, can open and scan or forward packages on to you at your cost, or hold them for you to pick up.
- Check up-to-date reviews for these businesses before signing up.
- Remember dating apps <u>can be tricked</u> into <u>giving up your exact location</u>.

#### how to give your persona their own address.

EARTH CLASS MAIL is just one of many "virtual mailbox" companies that will provide an address for you and then alert you when mail arrives. You can scan, open, or forward the mail on to your real address.



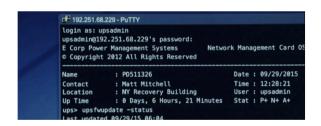
## thank you. stay safe & secure y'all

## How to reach matt mitchell privately?



TL;DR: hit me up on wire personal (my username is: geminiimattx)

last updated: December 29th, 2020



thank you. contact me here