WEB USER EXPERIENCE IN 2021





DREW GORTON

Perspectives

- Developer
- CEO
- Product Owner
- Agency & Community Outreach

Connect

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- @dgorton





3 MINUTE VERSION

- The world is getting more web-ish
- The web is getting less web-ish
- There's a LOT of change coming
- Connected world has won
- We know the connected world
- Opportunity abounds



WHAT WE'RE COVERING

Forces changing our medium

- Hardware
- Interfaces
- Software
- Open Web
- Big Data

Awareness, Possible Outcomes, Changing Skills





NOT COVERING

Ul design techniques

UX process

UX techniques

Content strategy

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FOR EACH FORCE

What's Happening

Analogy / Example

Implications / Predictions

Get Ready Now

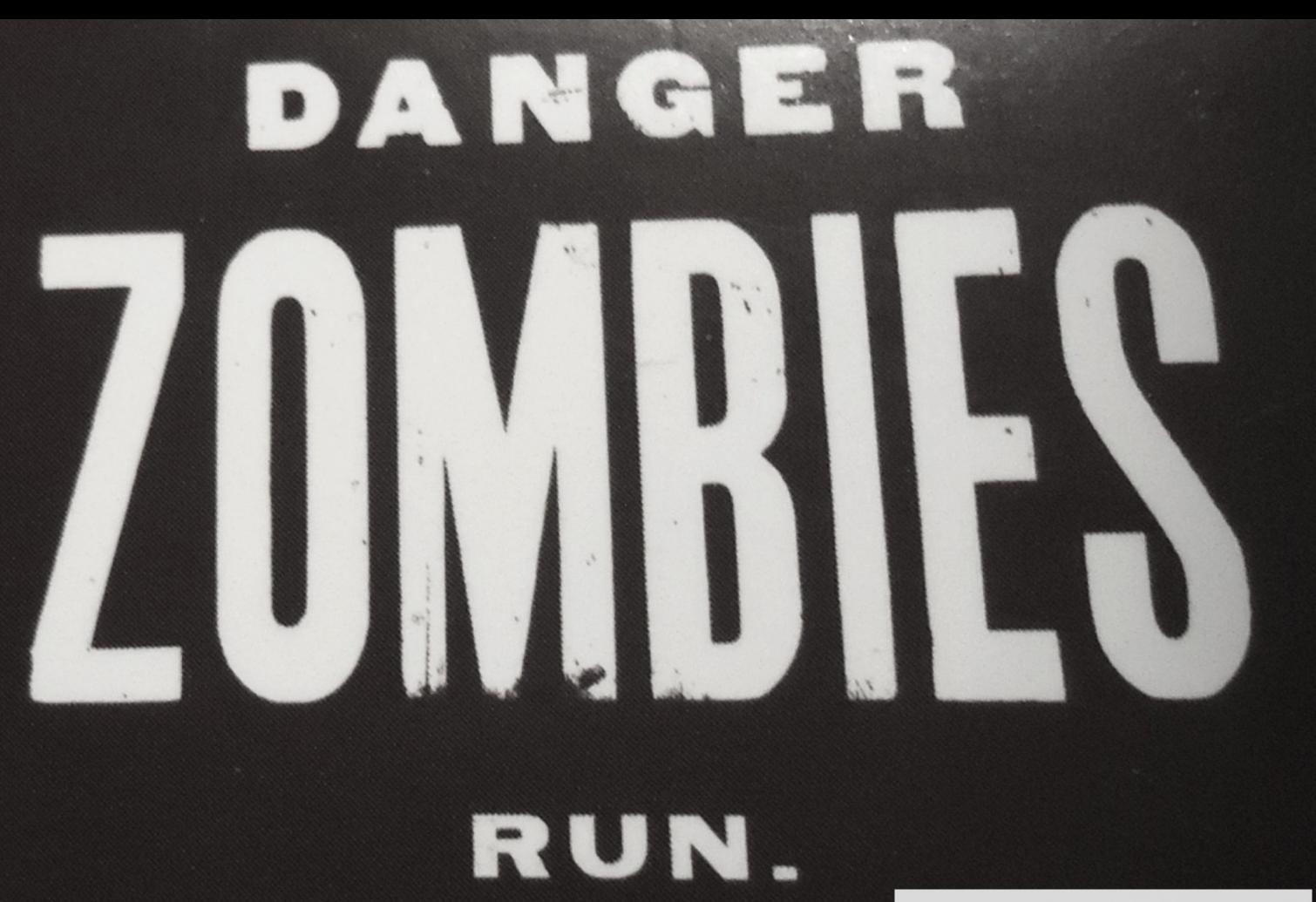




PREDICTING THE FUTURE CAN BE TRICKY

LET'S LOOK AT SOME EXAMPLES



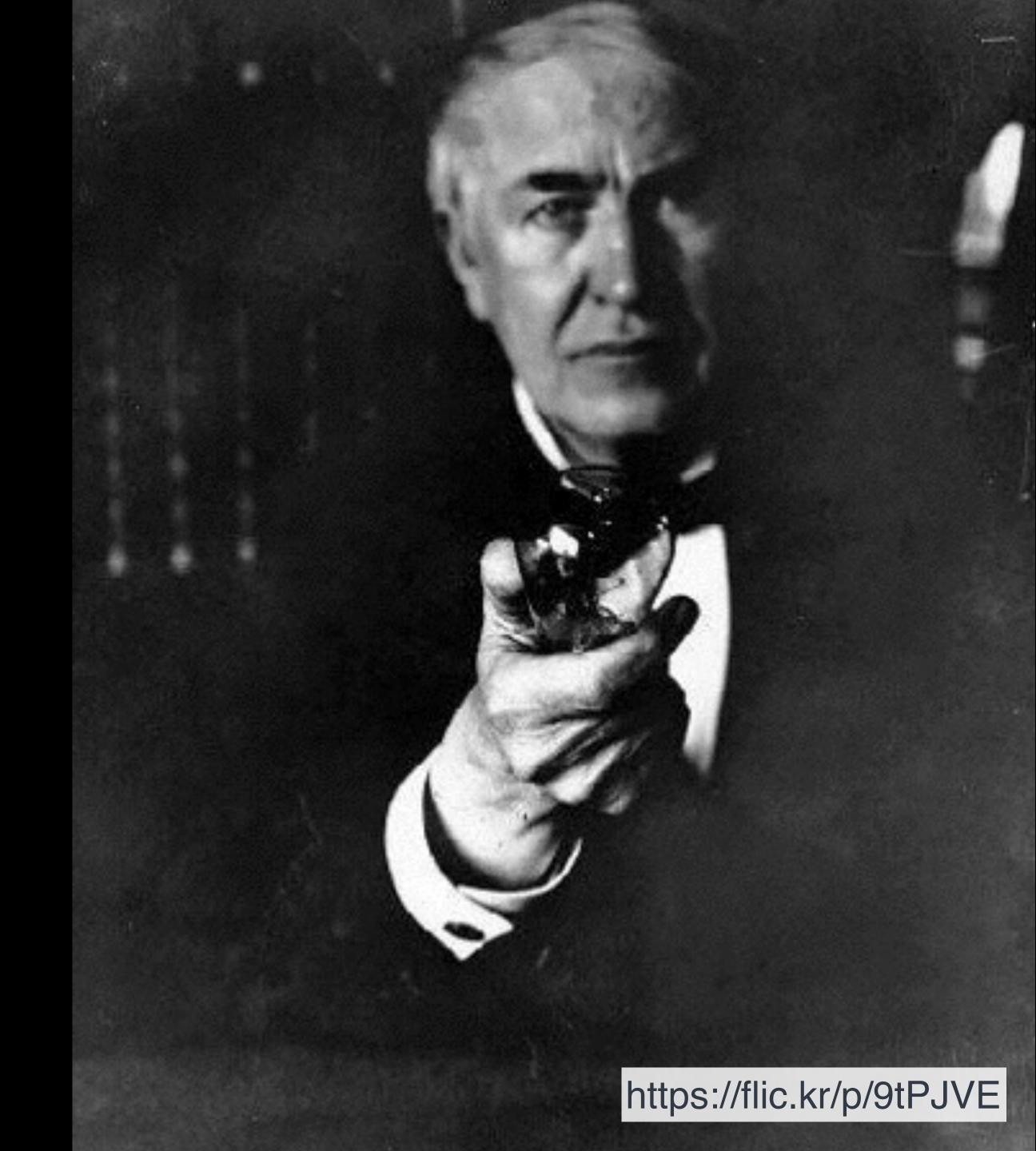


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Fooling around with alternating current (AC) is just a waste of time. Nobody will use it, ever.

— Thomas Edison, 1889

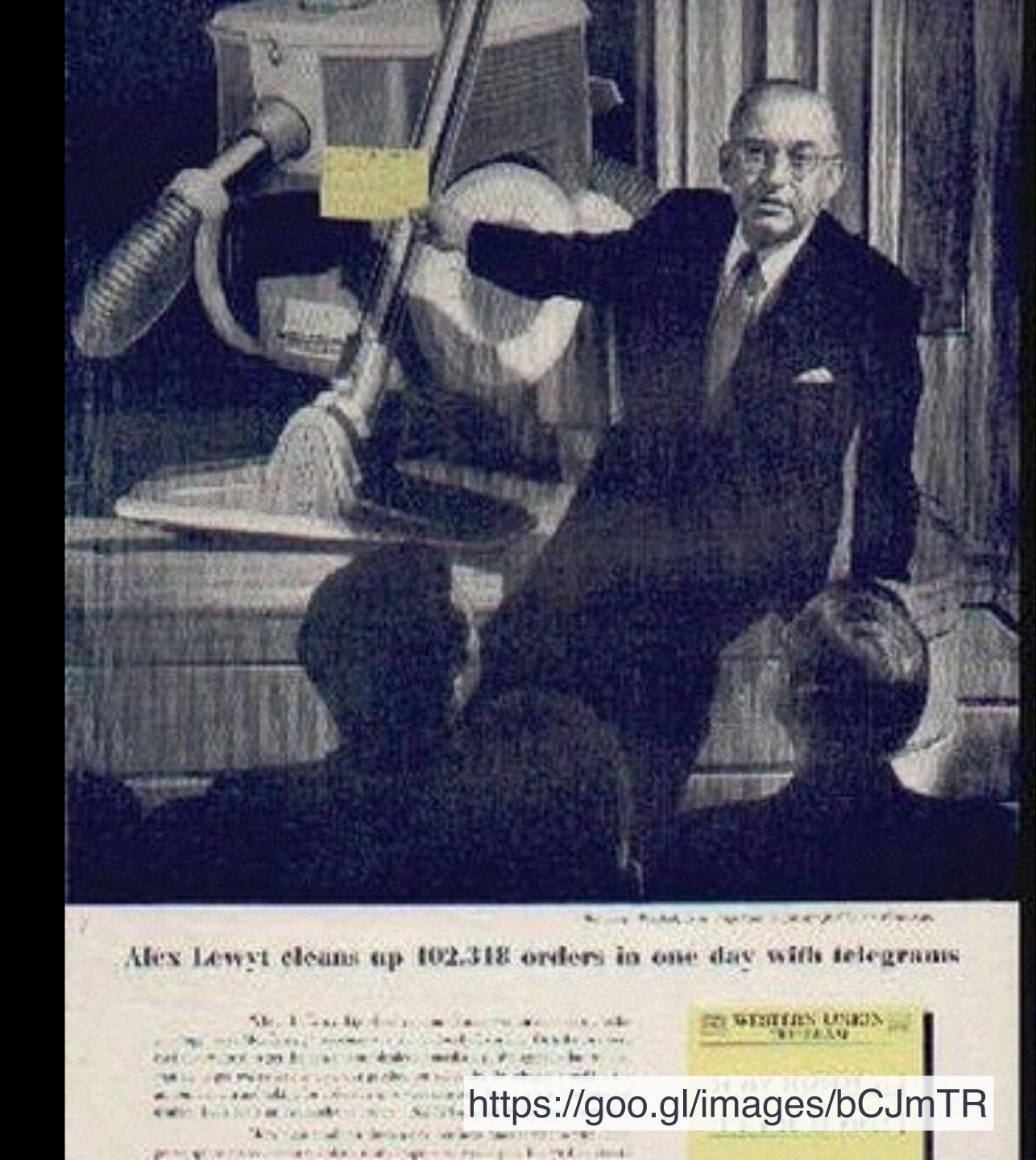




Nuclear powered vacuum cleaners will probably be a reality within 10 years.

— Alex Lewyt, 1955



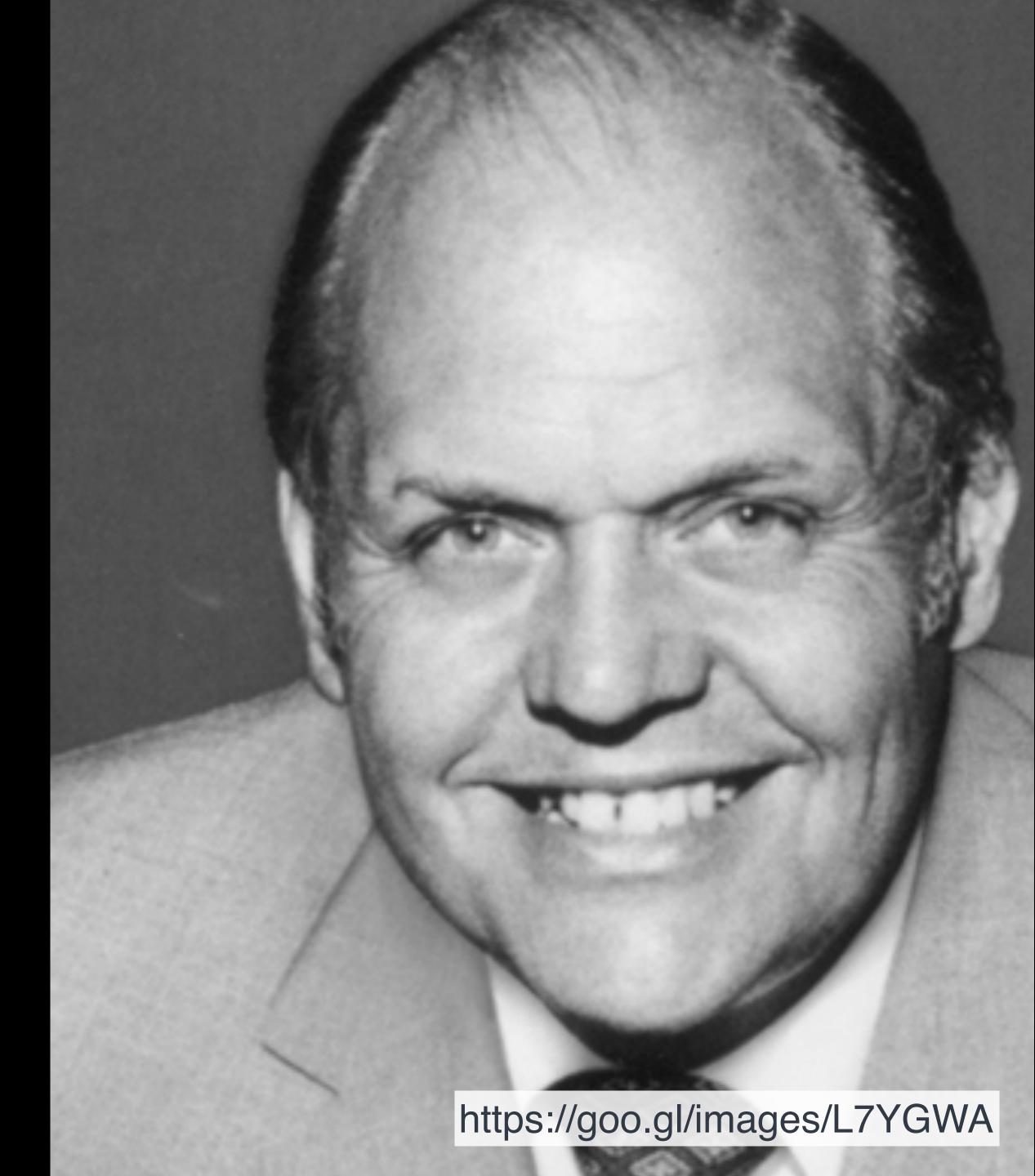




There is no reason for any individual to have a computer in his home.

— Ken Olson, CEO DEC, 1977





77

I predict the Internet will soon go spectacularly supernova and in 1996 catastrophically collapse.

— Robert Metcalfe, Founder 3Com, 1995





77

There's no chance that the iPhone is going to get any significant market share.

— Steve Ballmer, CEO Microsoft, 2007

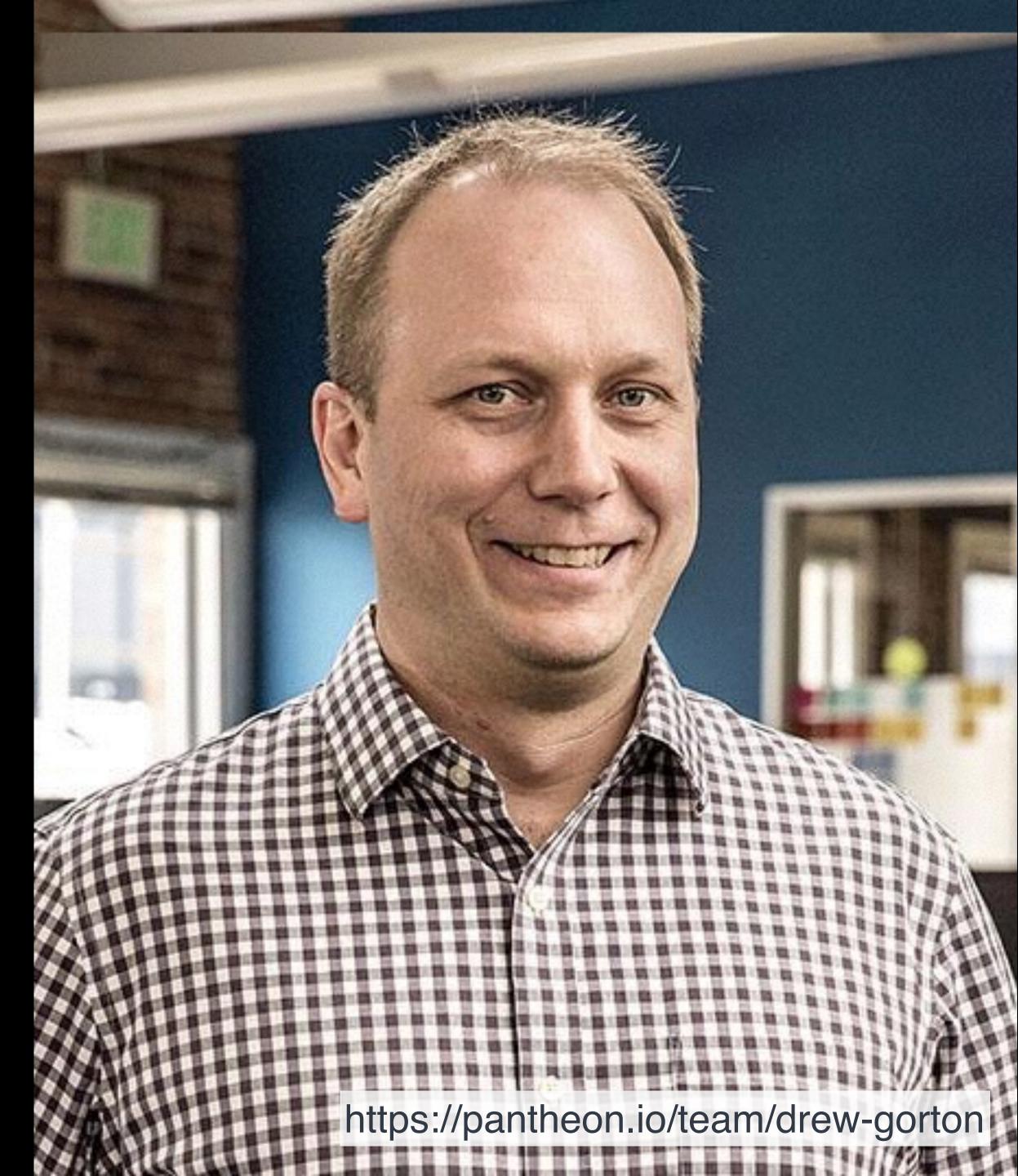




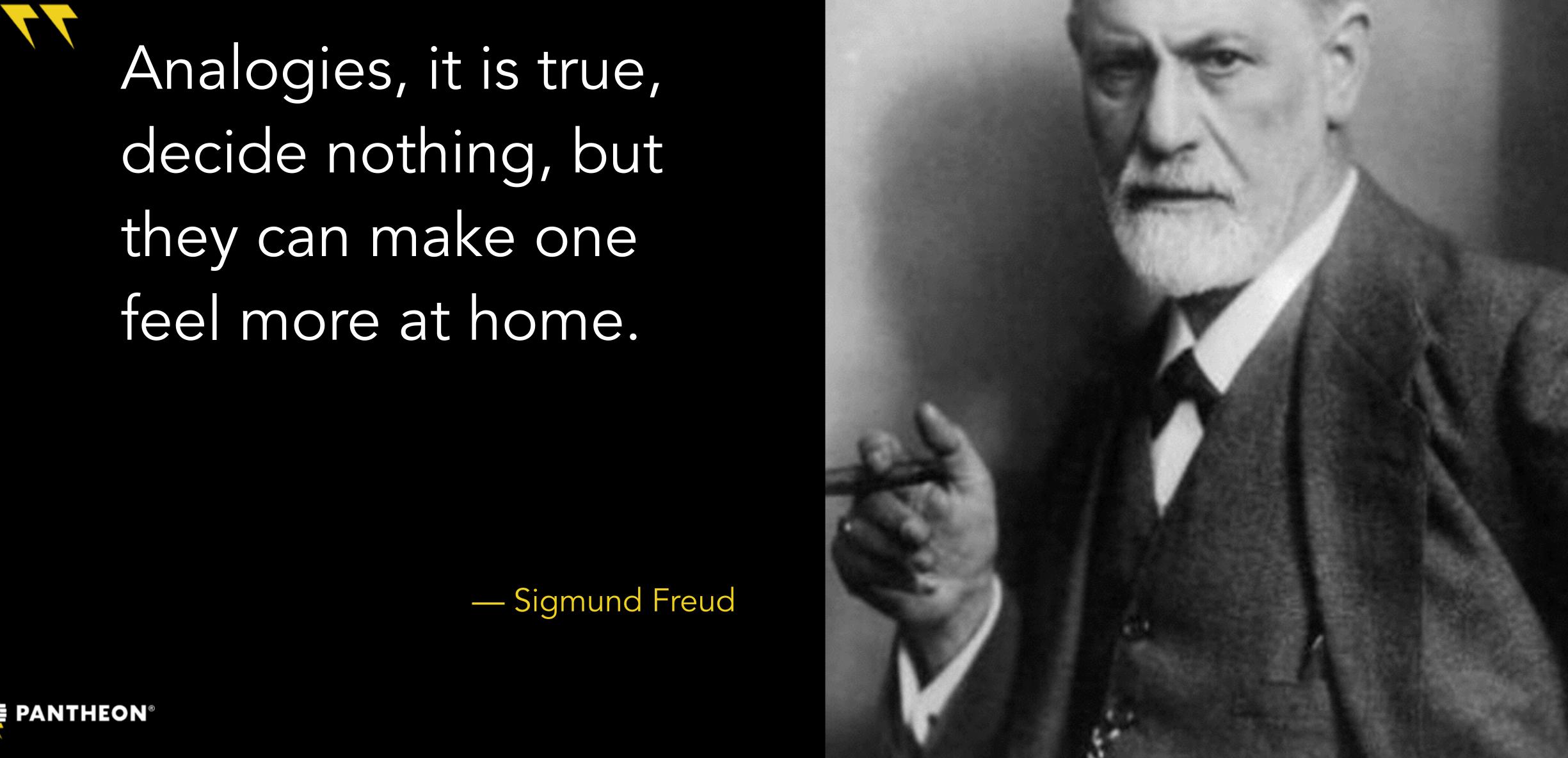


— Drew Gorton, 2016











HARDWARE IN 2021



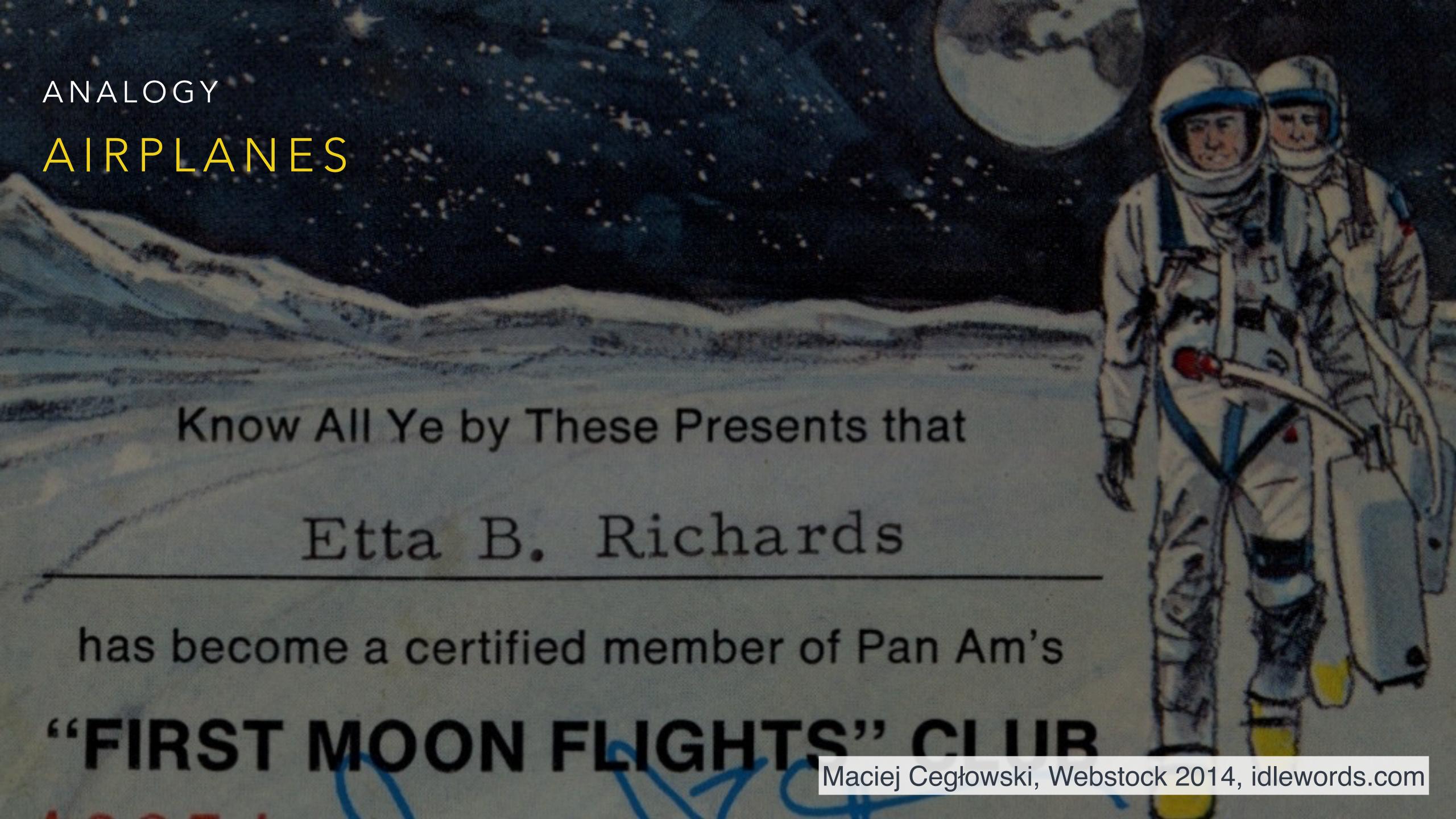
HARDWARE SLOWS

Moore's Law is broken

- Physics
- Good enough







IMPLICATIONS / PREDICTIONS

HARDWARE

- 2x speed no longer the focus
- CPUs, GPUs, (x)PUs, ...
- Efficiency, connectivity, power...
- Specialized chips, specialized problems, specialized devices
- Internet of Things (IOT) accelerates

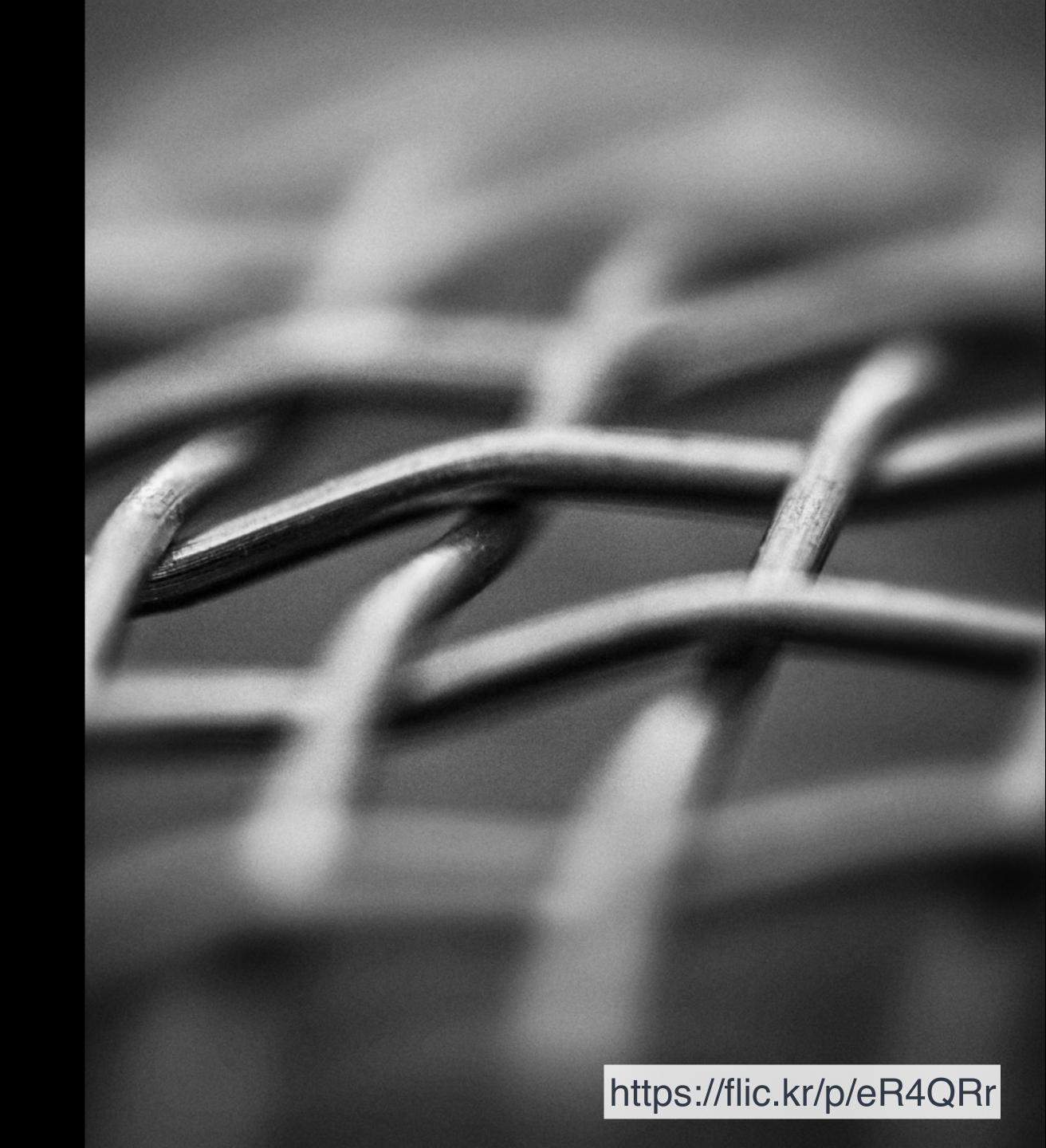




GET READY NOW

HARDWARE

- World gets more web-ish
- We know this world
- Our web-ish skills are strong
- Optimism!





INTERFACES IN 2021



BEYOND SCREENS

INTERFACES MULTIPLY

- Audible
- Visual Overlay (AR)
- APIs





INTERFACE EXAMPLE

AUGMENTED REALITY

- Google Glass (and successors)
- Mobile devices
- Location + context aware
- Task oriented





INTERFACE EXAMPLE

AUDIBLE



ANALOGY

MOBILE SITES

- "View Mobile Site"
- m.example.com
- "Optimized Experience"
- #FAIL



About this App

AAdvantage®

AA.com

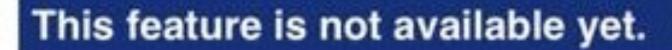
aa.com

Book Flights

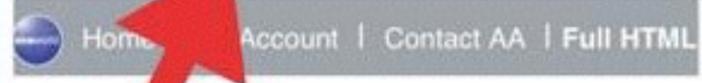
AA.com



American Airlines



This page has not yet been mobile enabled. Please visit full HTML site version.





American Airlines ~2014 via wtfmobileweb.com



IMPLICATIONS / PREDICTIONS

INTERFACES

- Central content hubs win
- Multi-channel delivery is normal delivery
 - Web
 - Apps
 - Overlays
 - •





GET READY NOW

INTERFACES

- Headless Drupal
- Integrations and APIs
- Web applications
- Get your content elsewhere
- Talk to other systems
- Started? Double down!
- Not yet? Get moving!



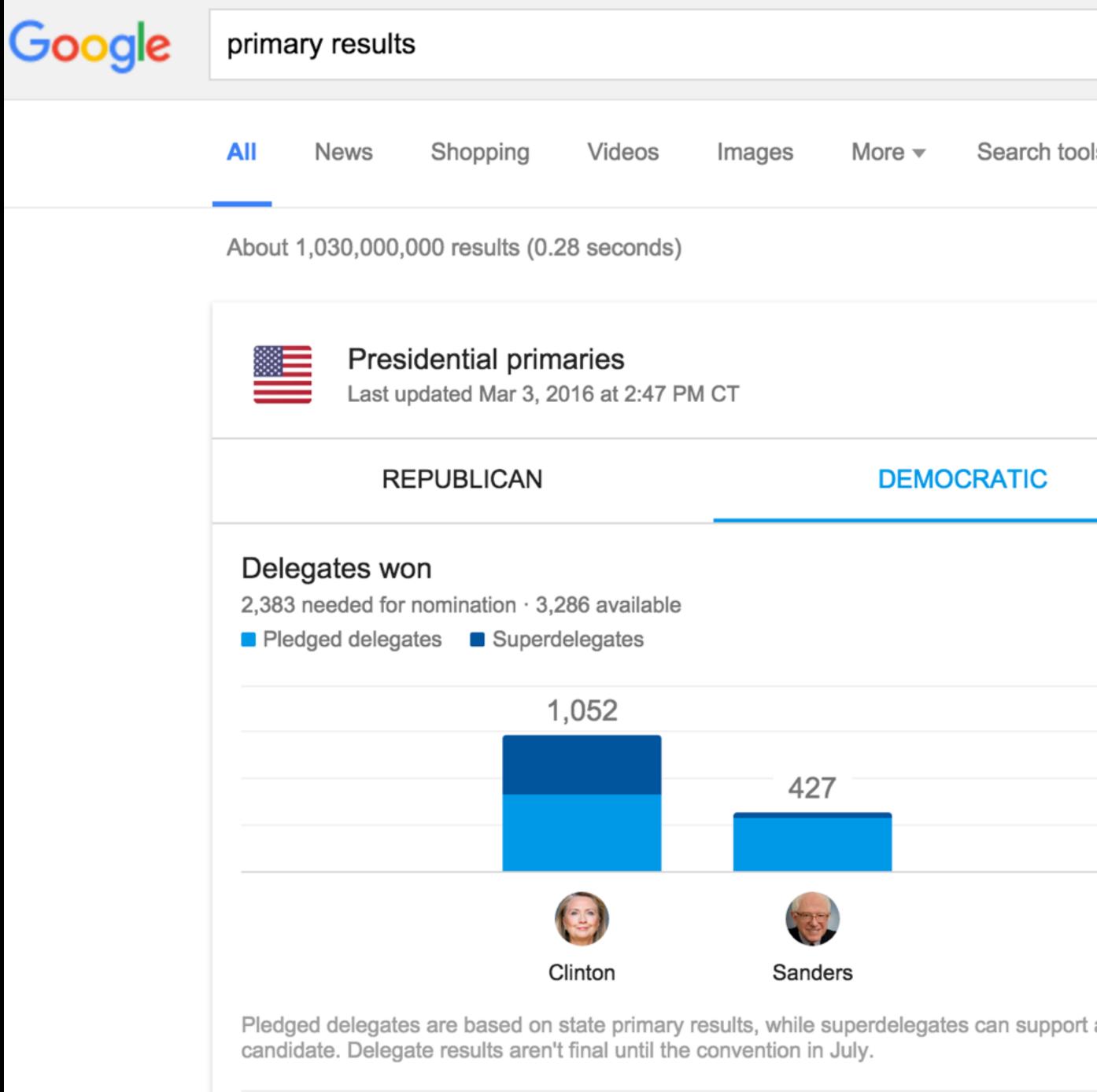


SOFTWARE IN 2021



SOFTWARE GROWS

- Cloud is new normal
- SAAS increases
- Services commoditized

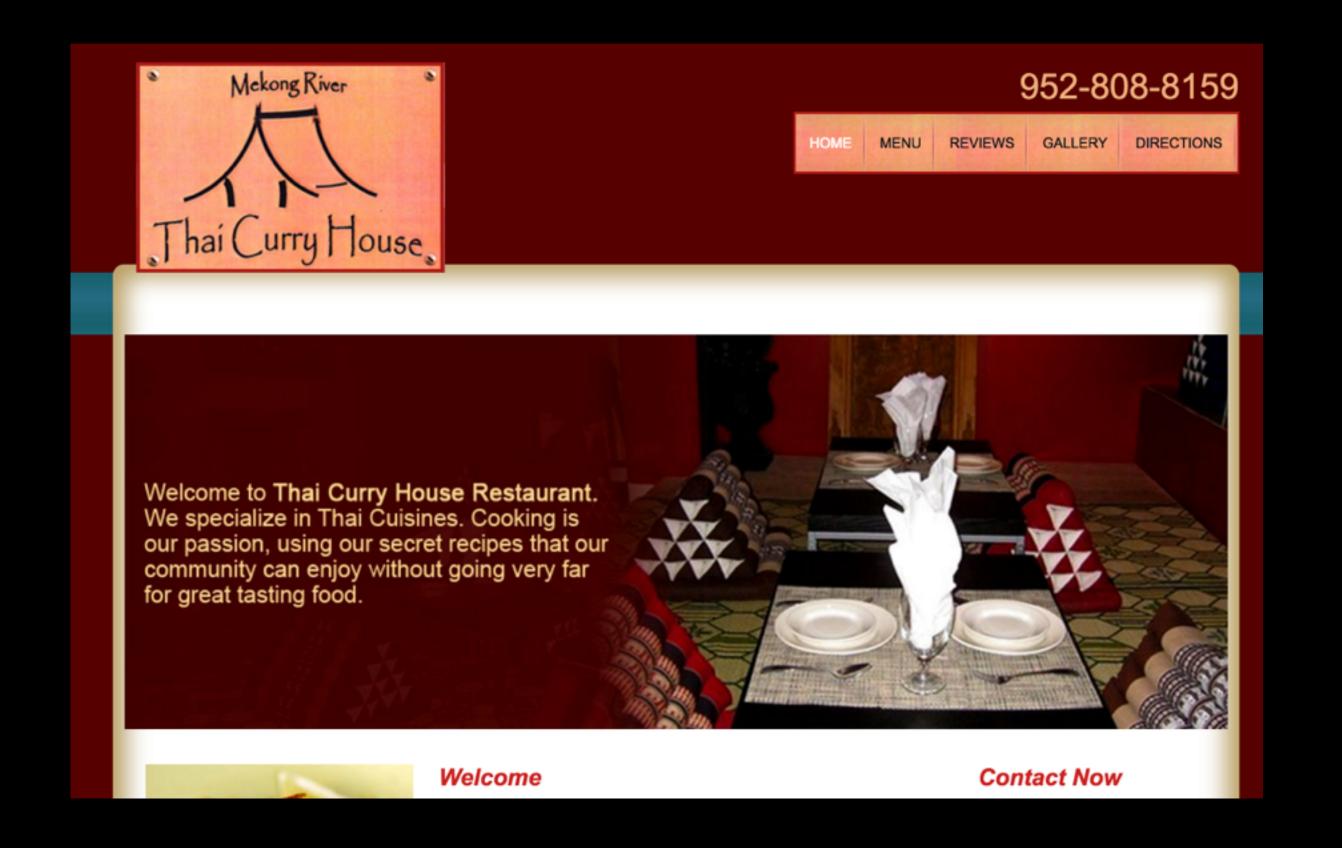


Dropped out: Chafee, Lessig, O'Malley, Webb

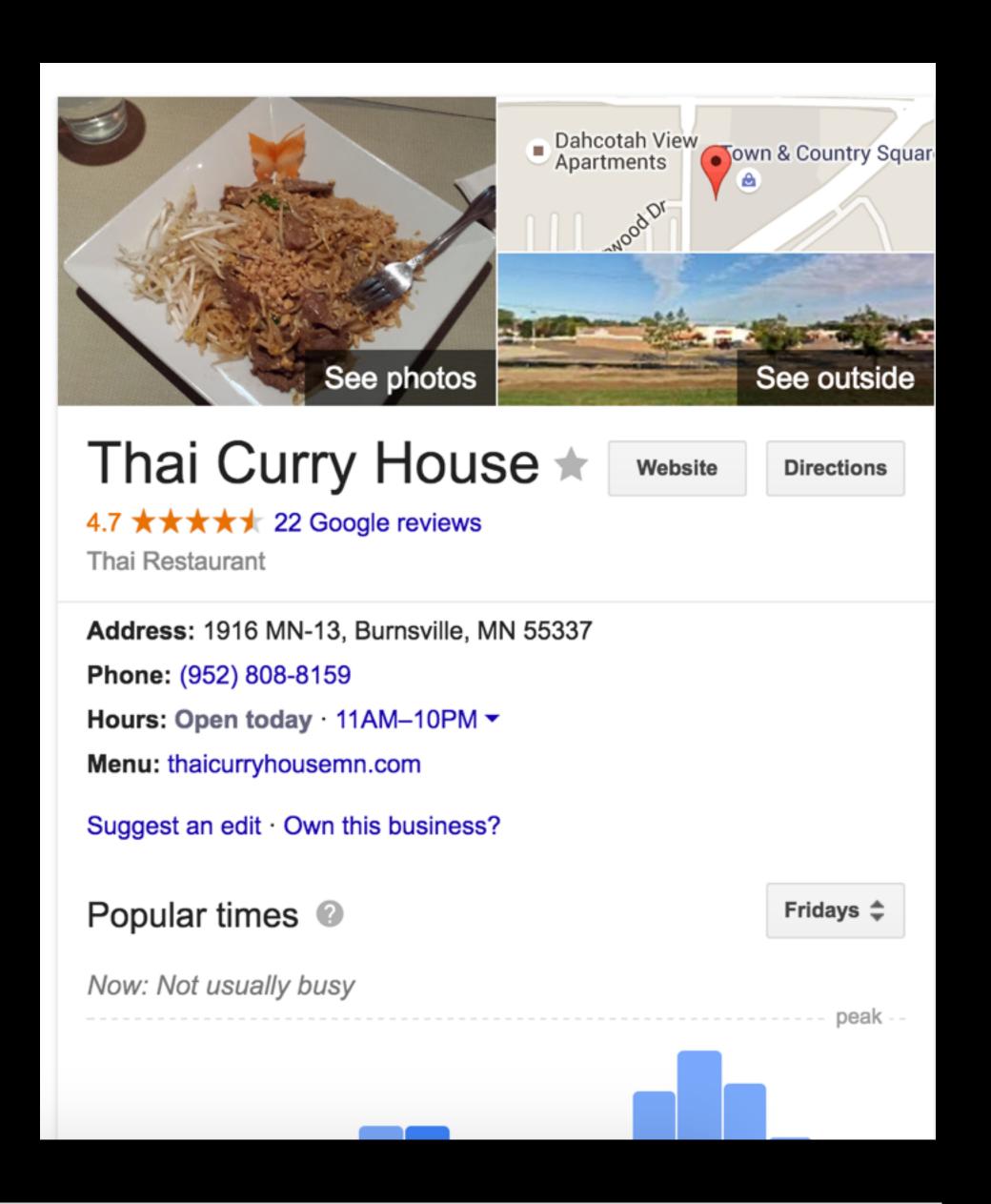


EXAMPLE

SEARCH





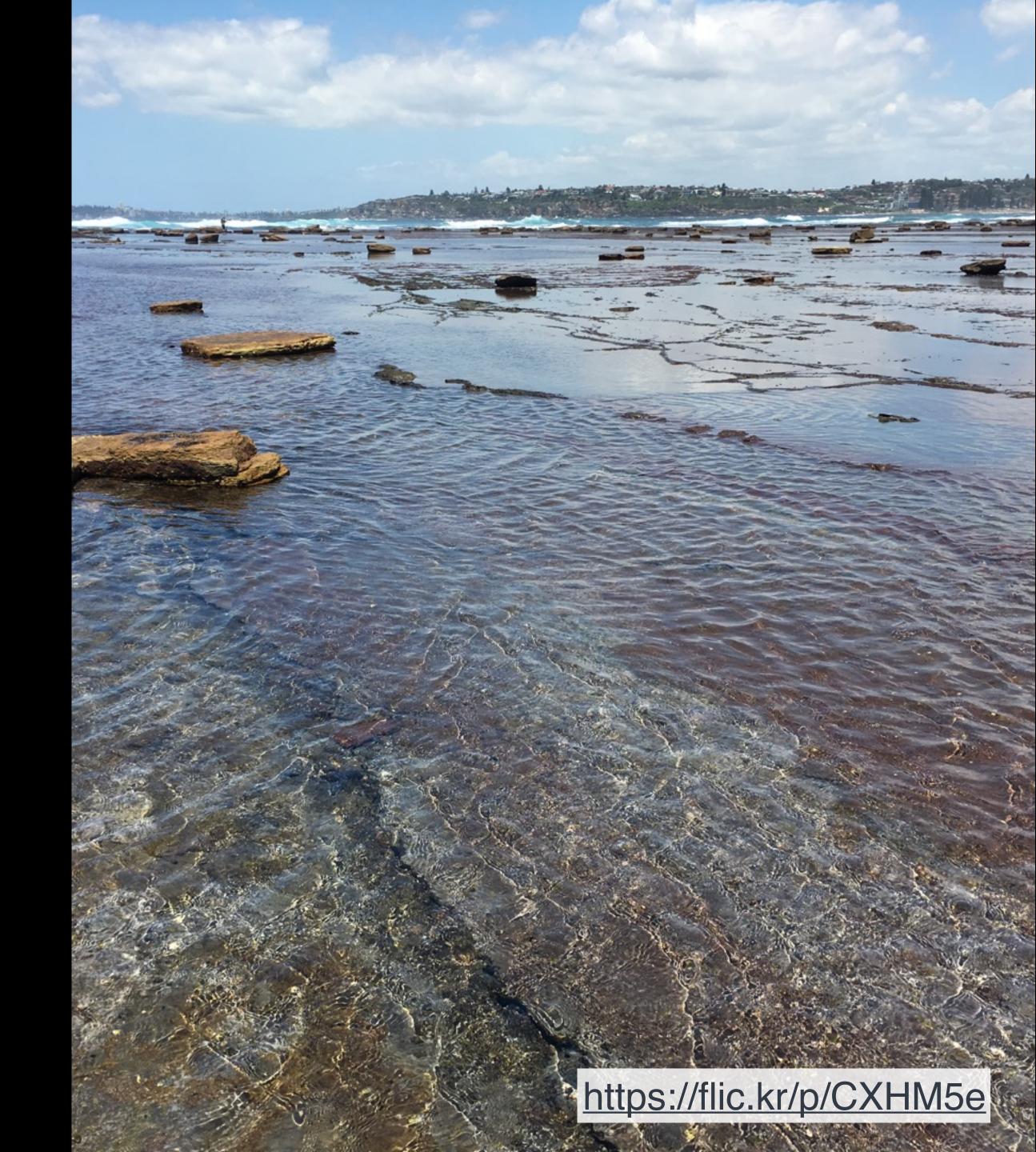




IMPLICATIONS / PREDICTIONS

SOFTWARE

- Search and Social are regulated
- Commoditizable clients + markets have cheap and easy solutions
- Shallow projects have less value



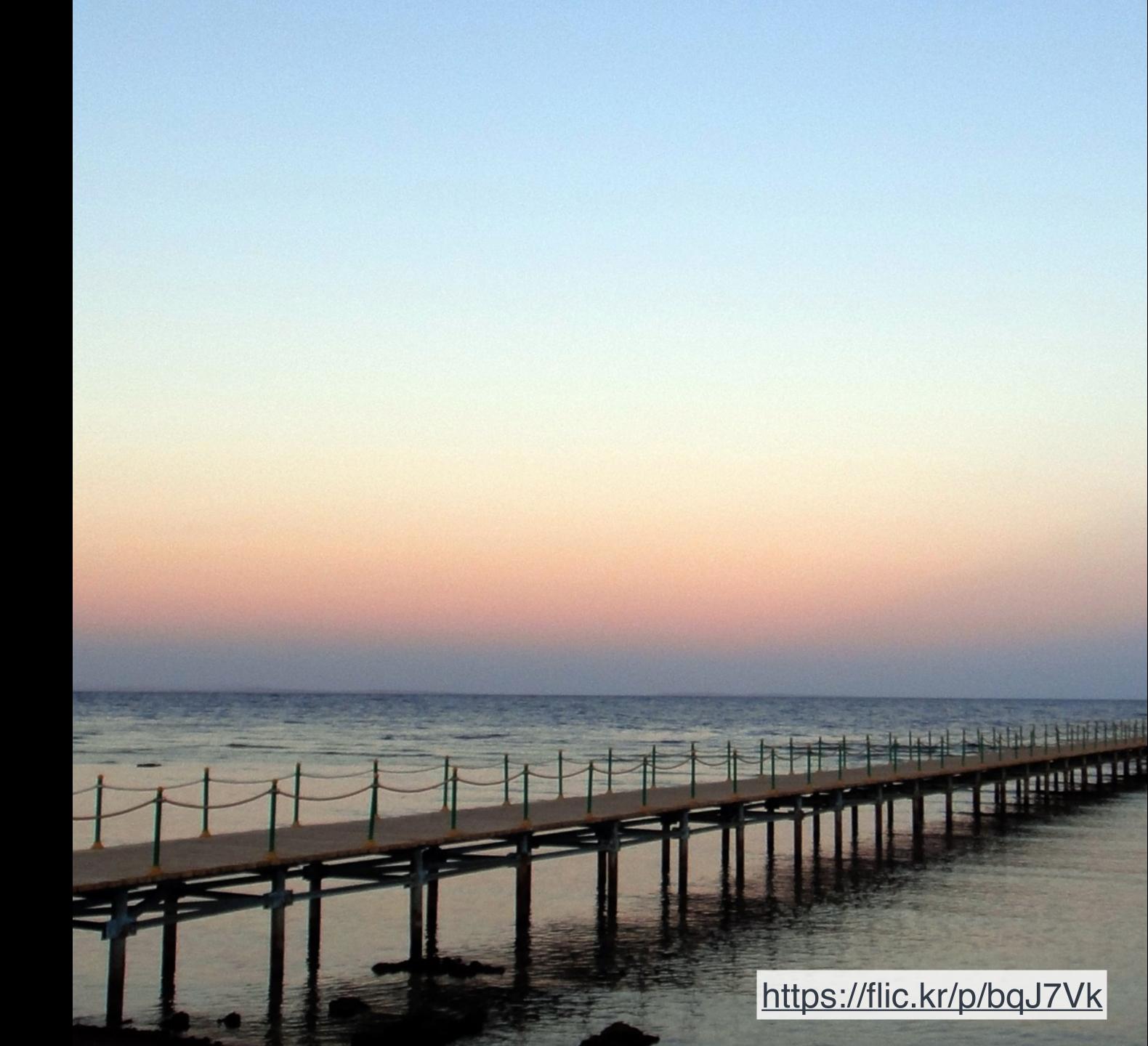


GET READY NOW

SOFTWARE

- Commoditizable clients, content?
 Get out or go deep!
- Restaurant 'deep' example:
 - Forecast demand
 - Order supplies
 - Mobile ordering
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- Specialize. Find a vertical.
 Understand it deeply.





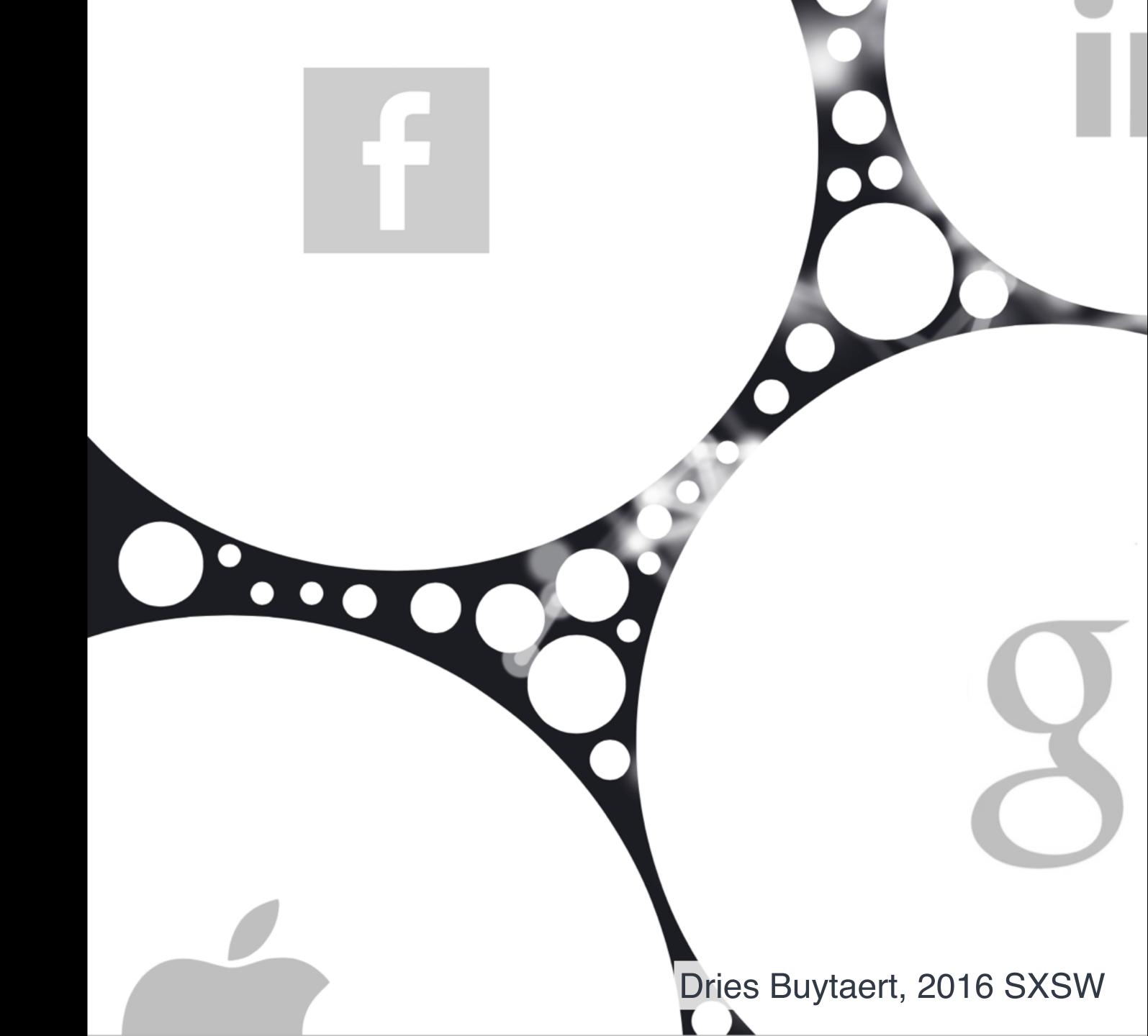
OPEN WEB IN 2021



OPEN WEB WINS

Too big to lose:

- Google
- Apple
- Facebook
- Amazon
- •





ANALOGY

WEB STANDARDS PROJECT

- 1998: Browser Wars
- Netscape vs IE
- IE pulls ahead
- Netscape jumps on board





IMPLICATIONS / PREDICTIONS

OPEN WEB

- 'Losers' gang up on Winner
- Don't sweat proprietary formats
 - AMP
 - FIA
 - •
- Be cautious of single vendor solutions

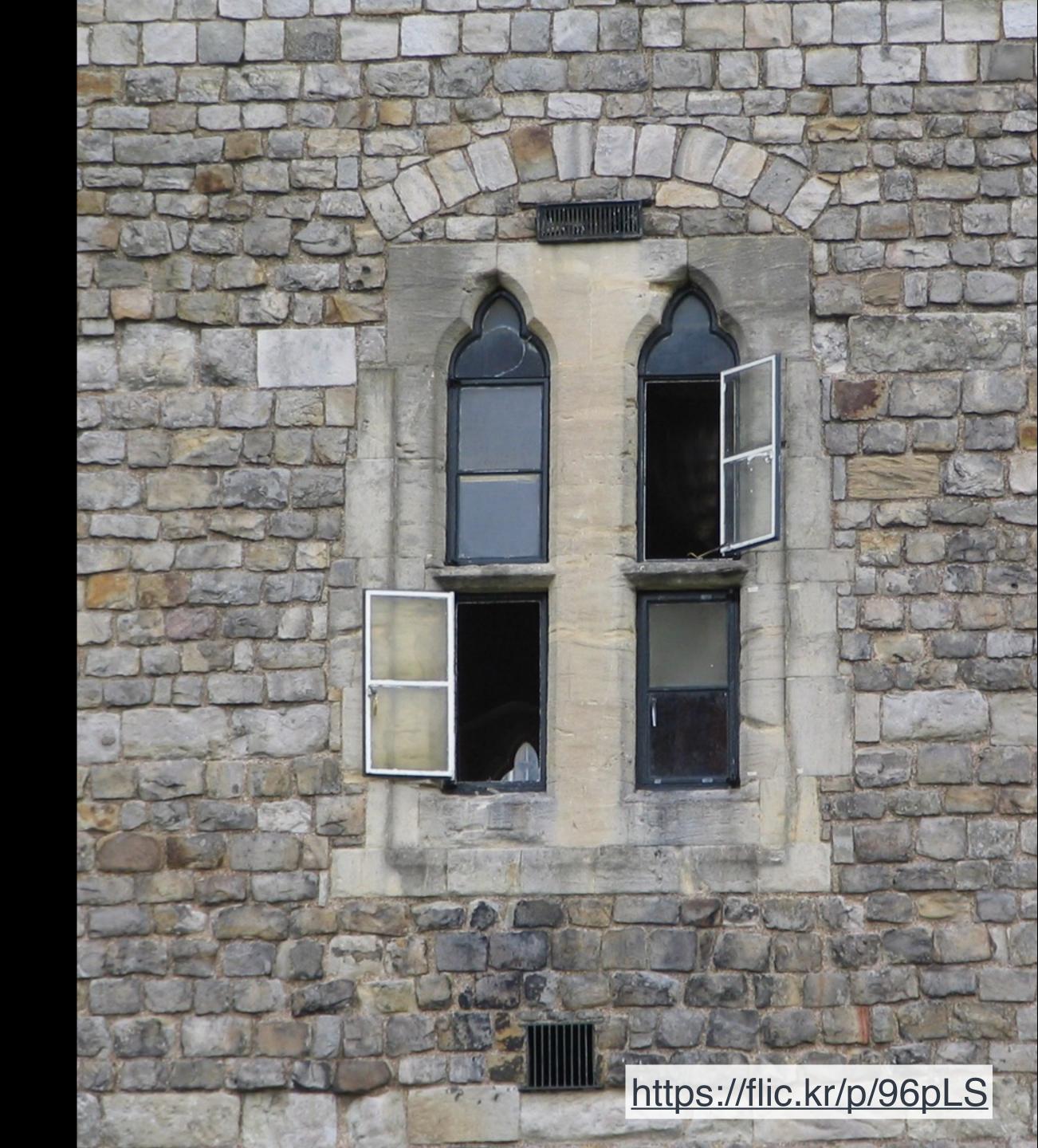




GET READY NOW

OPEN WEB

- Help build the Open Web movement
- Support it as it emerges





BIG DATA IN 2021



MORE DATA LEAKS

2013: Edward Snowden:

US Gov't

????: Facebook

????: Google

????: Amazon

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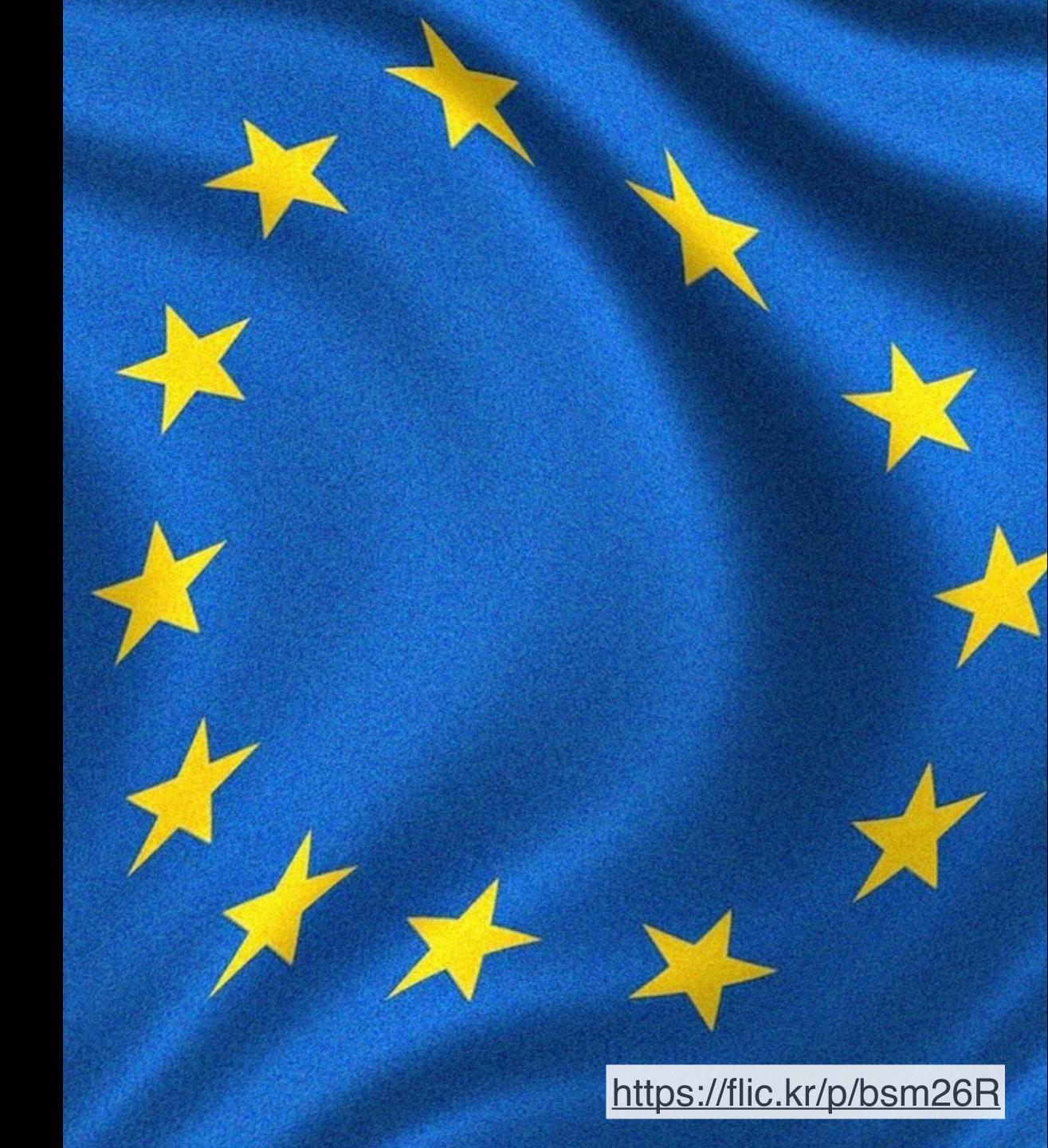




Everyone has the right to the protection of personal data.

— General Data Protection Regulation (GDPR) - EU, 2016







interesting story

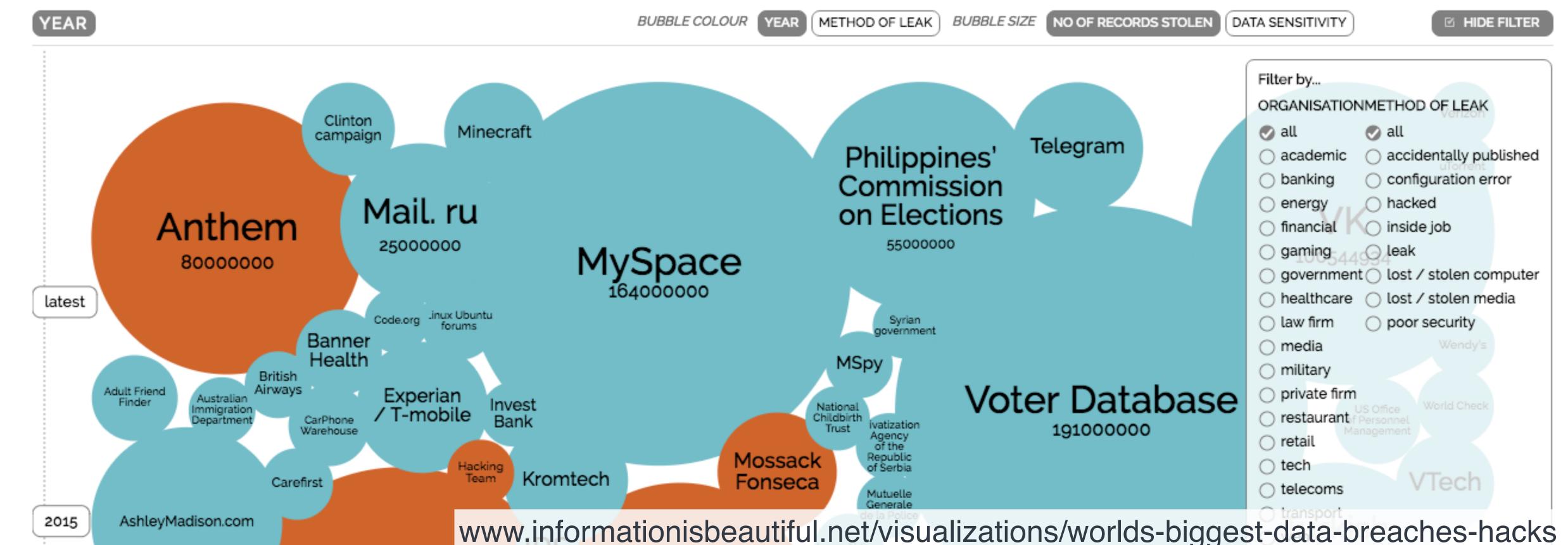
CILIZETISTIIP

BIG DATA

World's Biggest Data Breaches

Selected losses greater than 30,000 records

(updated 4th September 2016)



GET READY NOW

BIG DATA

- Educate yourself on security
- Protect Personally
 Identifiable Information
 (PII)
- Support data privacy standards





WEB IN 2021



"WEB" IS LESS SPECIAL





IMPLICATIONS

WEB

We know how to do this

- Deeply understand an interconnected world model
- Assemble around causes
 (Data, Standards, ...)
- Push technology forward





GET READY NOW WEB

- Think beyond screens
- Think beyond the 'web'
- Our web-ish skills are strong
- Opportunity!





IN CONCLUSION

- The world is getting more web-ish
- The web is getting less web-ish
- There's a LOT of change coming
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- We know the connected world
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QUESTIONS?



JOIN US

CONTRIBUTION SPRINTS

- First Time Sprinter Workshop -9:00-12:00 - Room Wicklow2A
- Mentored Core Sprint 9:00-18:00 -Wicklow Hall 2B
- General Sprints 9:00 18:00 Wicklow Hall 2A





EVALUATE - PLEASE!

- https://events.drupal.org/dublin2016/ sessions/web-user-experience-2021
- Help us all keep getting better





FODDER

BECAUSE SOME OF THIS MIGHT BE USEFUL

