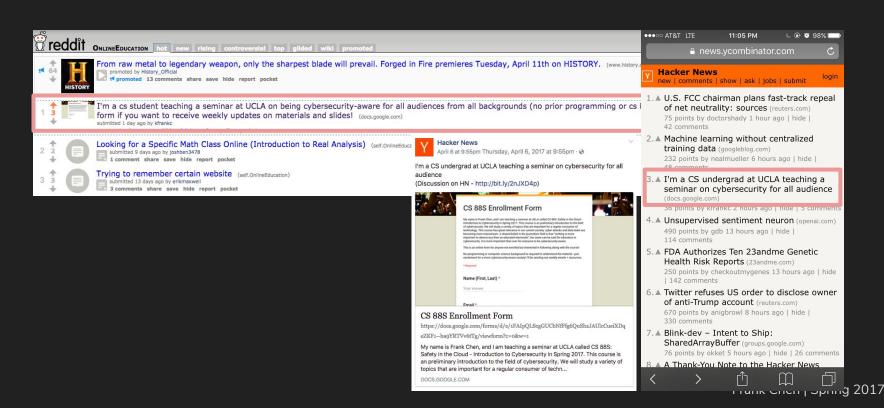


Agenda

- Administrative
- Review last week's material
- Hack
- Hollywood Hacking:
 The Good, The Bad, & The Ugly
- Can we do better?

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```
▲ kablaa 1 day ago [-]
  What kind topics will you be covering? What do you mean by "The Cloud?" That's kind of an catch-all term these days.
      * 4 points by kfrankc 1 day ago [-]
         I have a course syllabus available here: http://kfrankc.me/cs88s/USIE_Syllabus.pdf
         reply
             A andmalc 1 day ago [-]
               That's a sharp looking PDF. May I ask what software or template you used?
                reply
                    ▲ gravypod 1 day ago [-]
                      I'd assume LaTeX. The wizardry is strong with this one.
                      reply
                          ▲ yeukhon 1 day ago [-]
                             I am betting on Microsoft Publisher. Isn't it hard to get the template right using LaTex?
                             reply
                                 ▲ gravypod 7 hours ago [-]
                                   > Isn't it hard to get the template right using LaTex
                                   Incredibly.
                                    reply
                                 ▲ DavidJRobertson 1 day ago [-]
                                   PDF metadata confirms that you are correct, it was MS Publisher 2013.
                                   reply
```

■ maerF0x0 1 day ago [-]
Some confirmation that this isnt fake:
http://kfrankc.me/cs88s/ links to the same form. https://kfrankc.me/cs88s/ links to the same form. https://scholar.google.com/citations?user=v2iJEd8AAAAJ&hl=en Links to the same kfrankc.me seems legit.
reply
https://scholar.google.com/citations?user=v2iJEd8AAAAJ&hl=en Links to the same kfrankc.me
seems legit.
reply
https://scholar.google.com/citations?user=v2iJEd8AAAAJ&hl=en Links to the same kfrankc.me
seems legit.
reply
https://scholar.google.com/citations?user=v2iJEd8AAAAJ&hl=en
Links to the same kfrankc.me
seems legit.

reply

A cgardunol 1 day ago [-]
You can also check out the class schedule listed at UCLA's class listing.

https://sa.ucla.edu/ro/Public/SOC/Results/ClassDetail?term c...

reply

```
▲ HillaryBriss 1 day ago [-]
 i like the fact that the course number is 88, nice.
      ▲ cgarduno1 1 day ago [-]
         All courses at ucla that are taught by undergrads are 88S courses, just happens to be that way interestingly
        reply
             ▲ OJFord 1 day ago [-]
               > All courses at ucla that are taught by undergrads are 88S courses
               So kfranc is the only CS UG doing it? (Since it's listed as CS88S.)
               > just happens to be that way interestingly
               Can you or GP explain why '88' is 'interesting', or something to 'like'?
               reply
                    A HillaryBriss 20 hours ago [-]
                      In China, "Number 88 symbolizes fortune and good luck in Chinese culture" according to Wikipedia: https://en.wikipedia.org/wiki/88 %28number%29 which is why I thought it nice.
                      My original comment was downvoted and I didn't understand why. Now I think I know. I just learned that there's another really disturbing meaning of 88. It's used by Neo-Nazis as shorthand for "HH"
                      since "H" is the eighth letter in the alphabet. (You get one guess what "HH" is shorthand for.)
                      That meaning is NOT nice. It's awful.
                      Sorry if my comment was interpreted to mean that I thought Neo Nazism or Hitler was nice. That is definitely not what I meant.
                      (What can I say? I've seen 88 in Chinese restaurants and stores. But I've never seen it used in a Neo Nazi way before. Ugh. Sorry folks.)
                      reply
```

http://bit.ly/2okf8vS

OUESTIONS

RESPONSES

1,390

CS 88S Enrollment Form

My name is Frank Chen, and I am teaching a seminar at UCLA called CS 88S: Safety in the Cloud - Introduction to Cybersecurity in Spring 2017. This course is an preliminary introduction to the field of cybersecurity. We will study a variety of topics that are important for a regular consumer of technology. This course has great relevance in our current society: cyber attacks and data leaks are becoming more mainstream. A shared belief in the journalism field is that "nothing is more important to democracy than an educated electorate"; the same can be said for education in cybersecurity. It is more important than ever for everyone to be cybersecurity-aware.

This is an online form for anyone not enrolled but interested in following along with the course!

No programming or computer science background is required to understand the material - just excitement for a more cybersecurity-aware society! I'll be sending out weekly emails + resources.



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Internet Internet brings everyone together. Internet is nondeterministic.

CIA Principle

C

Confidentiality



Integrity



Accessibility

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Def: Bias in judgment and/or behavior that results from subtle **cognitive processes** (e.g., implicit attitudes and implicit stereotypes) that often operate at a level below conscious awareness and without intentional control.

UCLA Vice Chancellor Jerry Kang's TED talk video: http://bit.ly/2oaM8Ek

# 1	# 2	#3
SLB	CFLTK	CFLTK
SPRND	HLMG	CFLTK
SLB	SPRND	SLB
SPRND	HLMG	CFLTK

# 1	# 2	#3
GREEN	BLUE	GREEN
RED	YELLOW	YELLOW
PURPLE	BLUE	RED
GREEN	RED	PURPLE

# 1	# 2	#3
RED	GREEN	YELLOW
BLUE	GREEN	BROWN
RED	YELLOW	BLUE
BROWN	BROWN	BLUE

Invented by

A. G. Greenwald

Programming

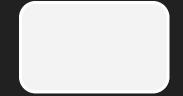


Invented by

A. G. Greenwald

Hack

LEFT



Invented by

A. G. Greenwald

safe knowledgeable protect smart



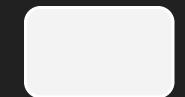
RIGHT

Invented by

A. G. Greenwald

danger ominous malicious sly

LEFT



Invented by

A. G. Greenwald

Placet ramming

safe knowledgeable protect smart

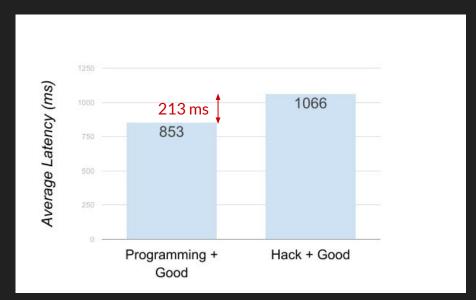
Place ramming

danger ominous malicious sly

Implicit Association Effect

Invented by A. G. Greenwald

Δ Average Latency is a measure of your bias!



*Numbers not accurate; visual purpose only

MAR 27, 2017 @ 05:11 PM 49 VIEWS The Little Black Book of Billionaire Secrets

Hackers In Epaulets: A Challenge To The Consensus on Russian Interference in the 2016 Election?





Were the hackers who broke into the DNC's email really Russian?







Democrats step up calls that Russian hack was act of war

BYMORGAN CHALFANT - 0.272(17 06:00 AM EDT

9,195 SHARES

F SHARE (0.22)

V 197ET

G: RUS COMMENTS



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Misrepresentation

CNN uses Fallout 4 screenshot in report on Russian hacking

Russian hackers most likely did not use Pip-Boys to disrupt the US presidential election.





January 3, 2017 6:55 AN









CNN (Screenshot by Alfred Ng/CNET)

YouTube (Screenshot by Alfred Ng/CNET)

Welcome to ROBCO Industries (TM) Termlink

Fallout 4 features a hacking mini-game.

The Ugly: 90s Computer Hacking Supercut

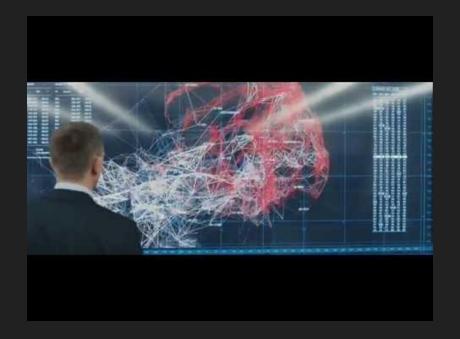


http://bit.ly/2nYSt8T

What was **ugly** about that?

- Cheesy lines
- Horrible/Unrealistic CGI
- Black box hacking process
- Poor plot-driving method

The Bad: Skyfall



http://bit.ly/2o35e2z

What was **bad** about that?

- Elaborate Graphical Interface
- "What if you try this" cliche
- Unrealistic decryption
- "They hacked us" cliche

The Good



http://bit.ly/2kONbHi

What was **good** about that?

- Clear explanation of vulnerability
- Clear motivation for hacking
- Realistic props and computer screens

MR. ROBOT VS SKYFALL

Simple Dialogue

Real computer interface

Current-world

Complex Back-and-forth

Futuristic machine

Fiction

[case] Hospital Hacking

- 3.6 million in BitCoins
- "The fact that hackers were able to encrypt patient records doesn't necessarily mean they gained access to those files, but the goal of this type of cyberattack isn't to get to patient information; it's to make sure that the hospital can't get to it, either"
- Known as ransomware



Even Worse?



http://bit.ly/2ciVElN

Even Worse?

- loading GUI?
- start counterstrike?
- cats?
- "you are good but I am better"
- blinky boxes?
- cyber-nukes??

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Visualizing DDoS



http://bit.ly/2orlnei



Safety in the Cloud Tip

Your laptop
+ phone
should be
locked by
password

☐ Photos

Photos of

Photos

Albums



Ray-Ban Oficiálne stránky













