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The Beauty and Joy of Computing

Lecture #13 Social Implications of Computing III



RSA SECURITY CONFERENCE 2013 IN SF JUST OVER...

This meeting of privacy experts just finished, and the key questions that emerge: “Will people share their personal information freely in exchange for customized service? Or will they be fiercely protective, to protect identity?”



www.cnn.com/2013/02/28/tech/web/online-privacy-policies



Overview

- Privacy
 - Examples of media stories and lessons learned
- Intellectual Property
- E-Voting





Peer Instruction



How much of your personal life do you reveal online?

- a) Nothing. I have no online footprint. Google'd find nada.
- b) You might find a photo or two of me, not much else.
- c) You would find photos & blogs & videos of me if you were my friends or family, not much else.
- d) You'd find photos & blogs & videos & tweets, but nothing embarrassing. I filter what I put up.
- e) My entire life is visible to the world. I hold nothing back. Location, videos, etc.
JennyCam has nothing on me.





Tyler Clementi, RIP

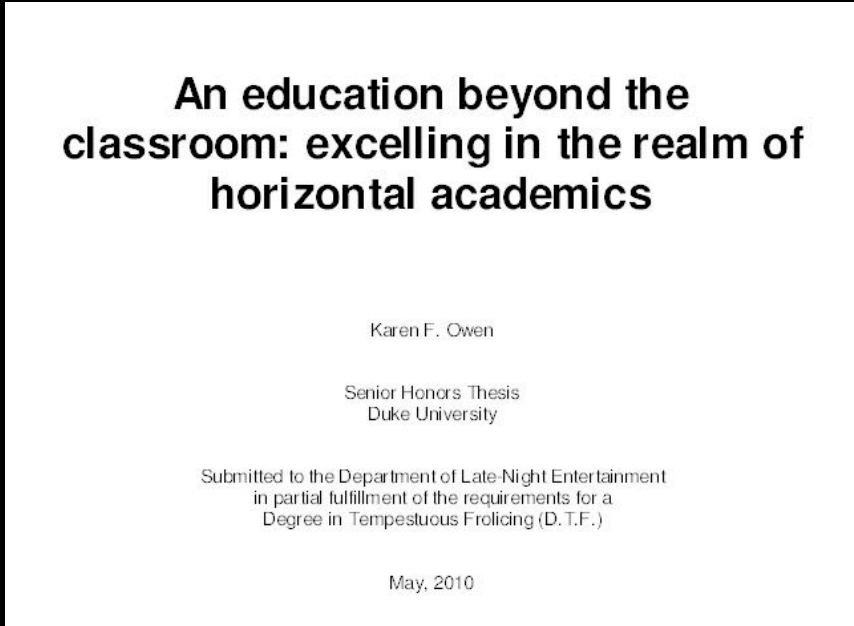
- **Student at Rutgers who was cyber-bullied in Sep**
 - Filmed by roommate in a sexual encounter (twice)
 - After he found out and complained, and found out it had happened again, he committed suicide
 - The same month, four other teens committed suicide after “bullying”
 - Internet amplification of invasion of privacy
- **His roommate was convicted of 15 counts of invasion of privacy, bias crimes and hindering prosecution**
 - He served 20 days in prison + 300 hours of community service





Karen Owen's Powerpoint

- **Student at Duke who documented sexual encounters in PPT**
 - 41 pages, photos and tables and graphs
 - Men are ranked, physical details shared
 - Shared with 3 others
 - Went Viral
- **Lesson**
 - Anything can go viral, permanently





Dr. Gerald Friedland and I have a research group around this!

Ten Principles for Social Media Privacy

1. Your information footprint is larger than you think.
2. There is no anonymity on the Internet.
3. Any information about you on the Internet will be used by **SOMEBODY** in **THEIR** interest -- including against you.
4. Communication over a network, unless strongly encrypted, is never just between two parties.
5. Sharing information over a network means you give up control over that information.
6. Anything said on the Internet is open to interpretation, including what you say and what is said about you.
7. The Internet not only duplicates (exponentially) but it never forgets!
8. Just because it can't be found today, doesn't mean it can't be found tomorrow.
9. Identity is not guaranteed on the Internet.
10. Avoiding the Internet doesn't help: Others may post about you.



Peer Instruction (thanks to BH)



Music on your portable player: Where do you get it?

- a) I paid to download everything on my iPod
- b) I bought everything, either as a download or ripped from CD/DVD
- c) I bought most of my music but there are few exceptions
- d) I bought a little of my music, but most of it I didn't buy
- e) It's all from Limewire / BitTorrent / friends / etc





Intellectual Property

- **BH:**
 - “We’re going to make a bargain with creators. We’re going to give you a limited time monopoly to profit from your idea in return for sharing your idea with us. ... Congress keeps extending the duration of copyright”
- **US Constitution, Article I, Section 8:**
 - “The Congress shall have power... to promote the Progress of Science and useful Arts, by securing **for limited Times** to Authors and Inventions the exclusive Right to their respective Writings and Discoveries.”



Logo for opposition to CTEA





Creative Commons







- A GREAT way to share / remix / reuse content

- Legal!
- Infrastructure that makes it possible

- UC Online

- This issue has come up; they have to find the right one...



	BY = Attribution	Share Alike	No Derivs	Non Commercial
	CC BY			
	CC BY SA	X		
	CC BY ND		X	
	CC BY NC			X
	CC BY NC SA	X		X
	CC BY NC ND		X	X





Peer Instruction



“I trust electronic voting machines & infrastructure.”

- a) I strongly disagree
- b) I disagree
- c) Neutral
- d) I agree
- e) I strongly agree

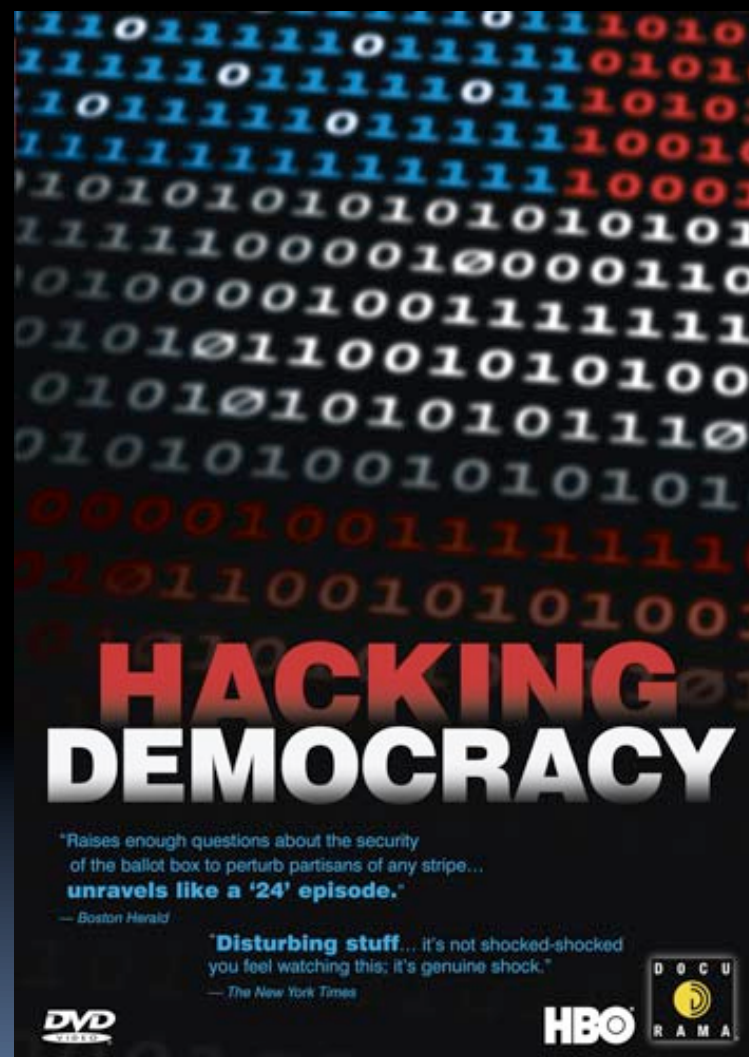




seattletimes.nwsourc.com/html/localnews/2014398575_apwaxgrlegislature.html
video.google.com/videoplay?docid=7926958774822130737#
en.wikipedia.org/wiki/Hacking_Democracy

E-Voting

- “Hacking Democracy” is an Emmy-nominated documentary
- Harri Hursti demonstrates “Hursti Hack” on Diebold machines thought safe
- Some states allow online voting (e.g., for military)
- It’s really scary, folks





Summary

- Be cautious about your online exposure
- Fight for your privacy
- Use Creative Commons to share / remix / reuse content
- Pay for your music
 - or use Pandora, which does it for you
- Fight online voting
- CS195 to learn more



(Credit: Geekologie)

