



Technology & Ethics

Marist CLS

Fall, 2021

Miscellaneous topics

Paul Stoddard

Deepfakes

- Wired [article/video](#) (8 minutes)
- Tech Review Deepfake Putin [article](#)
(YouTube [video](#) Sponsored by RepresentUS)
- Obama Public Service [Announcement](#)
- Facebook will spend \$10 million on detection tech, launching the [Deepfake Detection Challenge](#) with Microsoft and academics from MIT, Oxford University, and other institutions.
Unfortunately, the [2020 winner](#) has an accuracy of only 65.18%.



Deepfakes

- What are the dangers if political leaders are faked?
- Some say that technical ways to identify deep fakes will eventually be defeated by hackers.
- Twitter plans to warn users about deep fakes but will not remove them.



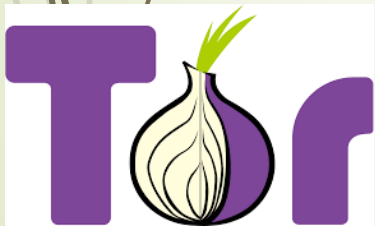
Deepfakes

- AI used to imitate famous composers' [music](#). Fake [Bach](#). Another fake Bach [video](#). Is it as good (yet)?
- Who “[owns](#)” art generated by AI?
Verge [article](#)
- Meitu is an app for making your photo more beautiful. Is it ok to use an enhanced photo on your resume?



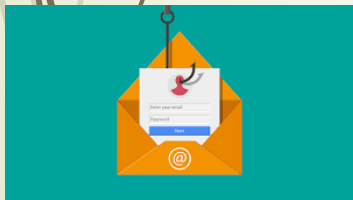
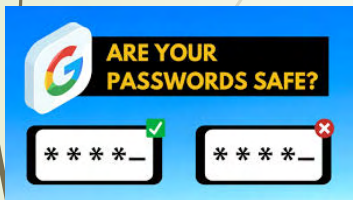
Deep Web/Dark Web

- The Dark Web is a subset of the Deep Web.
- Deep Web sites cannot be found by search engines (you must know the ip address).
- Dark web sites may also require special browsers, passwords, etc.
- Used for illegal things like drug sales (example: Silk Road), but also by journalists to protect their sources, and other people concerned about privacy.
- [Tor](#) (The Onion Router) is special software that helps users remain anonymous. Originally funded by US Navy and DARPA to protect intelligence communications. Like all technology, it can be used for licit and illicit purposes.



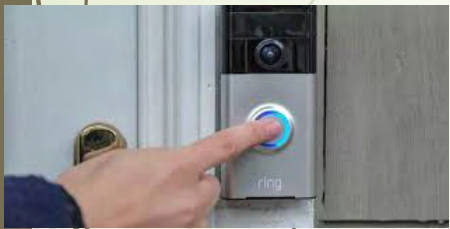
More on protecting your data (thanks to Wired)

- Article on who uses [personal data](#) for what.
- [Wired](#) – How to Opt Out of Sites That Sell Your Personal Data
(Look yourself up on some of these sites. My data was partially correct, partially incorrect.)
- Many sites use 2 factor authentication, in other words a password and a code sent to your cell phone. Now there's a [new threat](#) called SIM swapping wherein a hacker steals your phone number to get your codes.



More miscellaneous items

- Doorbells with cameras are very popular now. But some have been [hacked](#). Are they worth it?
- [Smart speakers](#) have also been hacked, and there are [concerns](#) that they listen and send data to corporations without our consent.
- Are seniors more vulnerable to tech scams?
 - [Maybe...](#)
 - [Common scams](#) to watch out for
 - [FBI info](#)



Review



- We looked at ethical frameworks (Utilitarianism, Duty based, Virtue based, etc.).
- We saw that current tech issues are often old ethical questions dressed up in new technology.
- But new technologies can have much bigger and much faster consequences than old ones.



Questions for you

- *Are philosophical ethical frameworks (such as Utilitarianism or Virtue Ethics) helpful when considering modern ethical problems?*
- *What do you think are the most significant ethical problems related to technology?*
- *Can technology help us solve some ethical problems?*
- *Can ethics help us solve some technology problems?*



Conclusion

- There are huge benefits from new technology.
- There has always been unethical behavior and abuses of technology.
- The best defense is a thoughtful and educated public, alert to unethical actors.
We must advocate for laws to protect the public.
We must think carefully when using new technology.

