CS-234
Technologies for
Democratic society

Fall 2021

Week 13

Anonymous identity cover (cont'd) Pseudonymization techniques
- Randonized Mac addresses
- 4 chan tags, public kgs, Blockcham walets weakness: linkable over time Stronger: Ephemeral Aboudonyms (eg. 1-Use)

Mixing (Bitcoin Monero)

Zero-Knowledge proofs (Zcash)

Anonymous Credentials show to

Attestor D'over 18' cred Transon: zotion > bar

group/ring signature Gut signature

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Accountable anonymous identity -threshold of approval
-traceability: authority can revote anonymity
-1-to-1 mappings of IDG/keys to pseudonyms
-linkable ring signatures -leto-lepsendamy mized credentials;
-Crypto-Book - Social media creds
-Cantoto - using gout to AVSH Blucklistable anonymous crédentials

Polarization - We have an existing, solf-selected "Circle"
we get most influence from them
common existing biases -> reinforced
non-conforming opinions a suppressed, excluded
- related: group think"

Polarization online - Self selecting Eviend/fallow communities news feeds reinforce existing losases of
polarization, radicalization
- recommendation gesterns (Youtube)
- reinforcing local social neighborhood perspection
- exclosed time maximizers algorithms
learns from user behavior
emotional content of more viewing - only more extreme content "stands out" -shocking news gets circulated more / faster Mitigating polarization radicalisation - Broader newsfeeds (does it work?) - Social connection / interaction w/ those holding other viewpoints
- reducing sense of "anonymity"-lack of pressure for civility - Labeling information