CS1699: Blockchain Technology and Cryptocurrency

17. Bitcoin and Cryptocurrency Application

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Assassination Markets

❖ What if you could bet if people would die on a certain date?

❖ Well, if I want Person X dead, I could say "I'll bet LARGE_AMOUNT that Person X will be alive on this date"

❖ Person Y could then take a very small bet with a very large payout, then effect actions which would lead to the death of Person X and be paid handsomely

❖ Other, more direct ways to pay off assassins: https://www.forbes.com/sites/andygreenberg/2013/11/18/meet-the-assassination-market-creator-whos-crowdfunding-murder-with-bitcoins/#2383a4b03d9b

❖ Assassination markets have already started to pop up on Augur!

Brave

❖ Browser which is integrated with Ethereal

❖ Can get BATs (Brave Attention Tokens) from viewing privacy-responsible ads or buying them

❖ Can give BATs to site that you like for micropayments, subscriptions, etc.

MetaMask

- MetaMask allows you to access dapps via Chrome or other browser

- Much easier than older ways like Mist or Parity

- https://metamask.io/

CryptoKitties

❖ Collect kitties that are verified on the Ethereum blockchain as belonging to you!

❖ Breed cats using a genetic algorithm to make more CryptoKitties

❖ Site: https://www.cryptokitties.co/

❖ Solidity code: https://etherscan.io/address/ 0x06012c8cf97bead5deae237070f9587f8e7a266d#code

Fomo3d

❖ FOMO = "Fear of missing out"

❖ Supposedly a simulator for buying cryptocurrency, but really just gambling (like SatoshiDice on a much larger level)

❖ Basic idea: A timer is going down to 0. Pay some small amount of Ether which is then added to the pot. Timer goes up. Last person to add money to the pot wins (an "hourglass scheme" or "reverse pyramid scheme").

❖ First round: winner won $3 million of Ether (using a clever strategy - https://medium.com/coinmonks/how-the-winner-got-fomo3d-prize-a-detailed-explanation-b30a69b7813f

❖ http://exitscam.me/play

IDEX

- ❖ Trade ERC-20 tokens (basically, overlay currencies on Ethereum) without a middleman

- ❖ https://idex.market/eth/aura

OpenBazaar 2.0

❖ Run a store on an encrypted node over Tor

❖ Buy things with cryptocurrency and no middleman - payments go directly to whatever node you are connected to - "No platform fees. No restrictions."

❖ https://openbazaar.org/