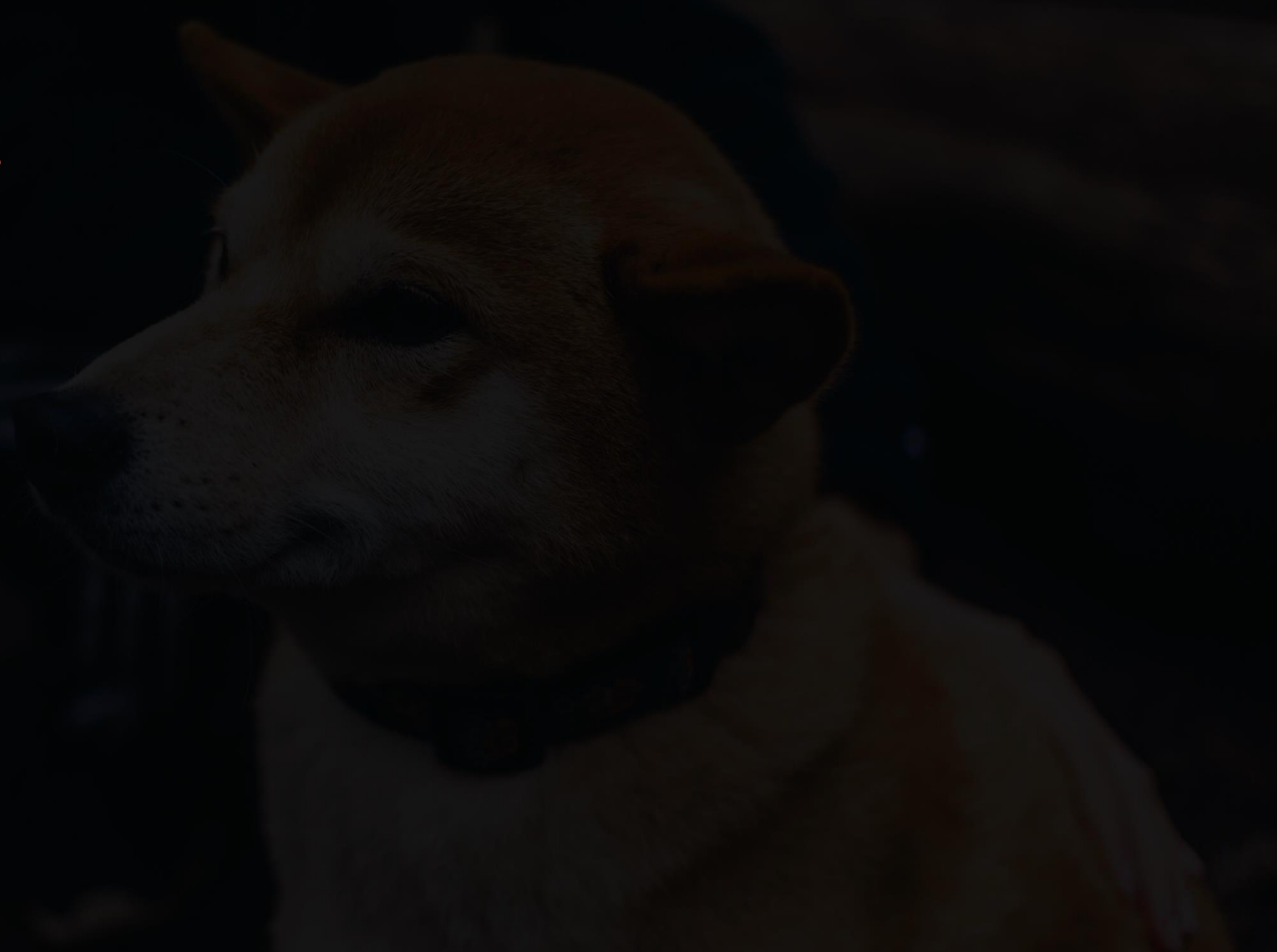# Private TREAT

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COSC670 – Cryptocurrencies and Blockchain

Agenda

- Main Players

- The Article

- Importance

- Affect

- Landscape

- Q&A

Main Players

- *Shiba Inu*
  - Decentralized cryptocurrency created in August 2020

  - Ryoshi – founder and lead developer

  - Goal: *"altruistic...give an opportunity for fair distribution and ownership from day 1"* (Ryoshi, 2020)

  - Tokens
    - SHIB
    - BONE
    - LEASH

  - Shibarium

Main Players

- *Zama*
  - *"open source cryptography company building state-of-the-art Fully Homomorphic Encryption (FHE) solutions for blockchain and AI." (Zama)*

  - HQ in Paris, France

  - Zama Concrete ML – privacy-reserving ML

  - Zama's fhEVM - confidential smart contracts

Main Players

- *Fully Homomorphic Encryption (FHE)*
  - Traditional end-to-end encryption not sufficient

  - Why?
    - Enables processing data without decrypting it
    - Companies can process user data without ever seeing the user's data
    - True end-to-end encryption?

  - Why not?
    - Poor performance on large computation
    - Still under research

The Article

- *Title: "Shiba Inu Adopts Tech to Bring More Privacy to SHIB Token Holders"*
  - o Author: Shaurya Malwa (CoinDesk)

- Supporting Articles
  - o "SHIB Lead Breaks Silence on Shiba Inu New Mega Deal: Details"
    - ▪ Anonymous @ Trading View

  - o "Shiba Inu Lead Developer Praises This New Partner"
    - ▪ Thecryptobasic.com @ Crypto News

  - o "Shiba Inu Team to Pin Another Security Layer to Improve Network Privacy: Details"
    - ▪ R. Parashar, S. Suvarna @ Gadgets360

The Article

- *Primary article summary*
  - Shiba Inu developers have partnered with a cryptography company Zama to develop a new privacy-focused network to add privacy layer for their layer-2 blockchain Shibarium

  - Privacy will be implemented using Zama's FHE solutions for use with Shiba Inu's TREAT token.
    - Not further implementation details
- Why?
  - "Attempt to future-proof Shiba Inu ecosystem against emergeing threast, fostering innovation through access to top-tier privacy tools, and empowering developers to create the next generation of secure, privacy-centric applications." [ADD IN-TEXT CITATION

Importance to Crypto

- Shiba Inu
  - Enhances the value proposition of SHIB tokens

  - Will SHIB become a big player?

- L2 blockchain adoption

- New security protocol in general
  - New stuff is always cool

Affect on Industry

- Cryptocurrency – Currently no
  - o The FHE isn't fully implemented in the Shiba Inu ecosystem yet

  - o Currently computationally expensive with numerical errors

- Future?
  - o Let use case for SHIB

  - o Untraceability and unlinkability?

Companies does this impact? How?

🤷🏾‍♂️

Greater Landscape

- Privacy option as standard in L2 blockchains?
  - "It's a beacon for the entire crypto community, signaling a shift toward a more secure, private, and innovative blockchain future. Here's to the next chapter in the Shib saga — one that promises not just growth and expansion, but a steadfast commitment to privacy and security at the cutting edge of technology."

- Internet
  - *Potential for HTTPZ to become the internet standard*

  - Internet is private by default

Personal

- *Mixed feelings*

    o Shiba Inu isn't the most credible of organizations, started as a meme coin

    o Zama is credible (recognized by crypto community at RSA Conference contests, have tangible products you can implement into your web2 and web3 applications)

References

- Ryoshi. (2020, August 2). *"All Hail the Shiba! An Experiment in Decentralization"*. https://assets-global.website-files.com/6424006598e25f12a6360e93/6425c40b662f5690cb62e831_Ryoshi_Article.pdf

- Zama. *"Zama – Pioneering Fully Homomorphic Encryption and State-Of-The-Art Cryptography"*. https://www.zama.ai/about

- Gushiken, Y. (2024, February 28) *"Beyond the Bark: SHIB and ZAMA's Strategic Alliance Ushers In a New Epoch of Blockchain Security"*. https://news.shib.io/article/65dd609ce7793300013d4c0d

Q&A

Questions, comments, concerns, hates, debates?..