

▲interep

**Anti-sybil as a service for  
decentralized applications.**

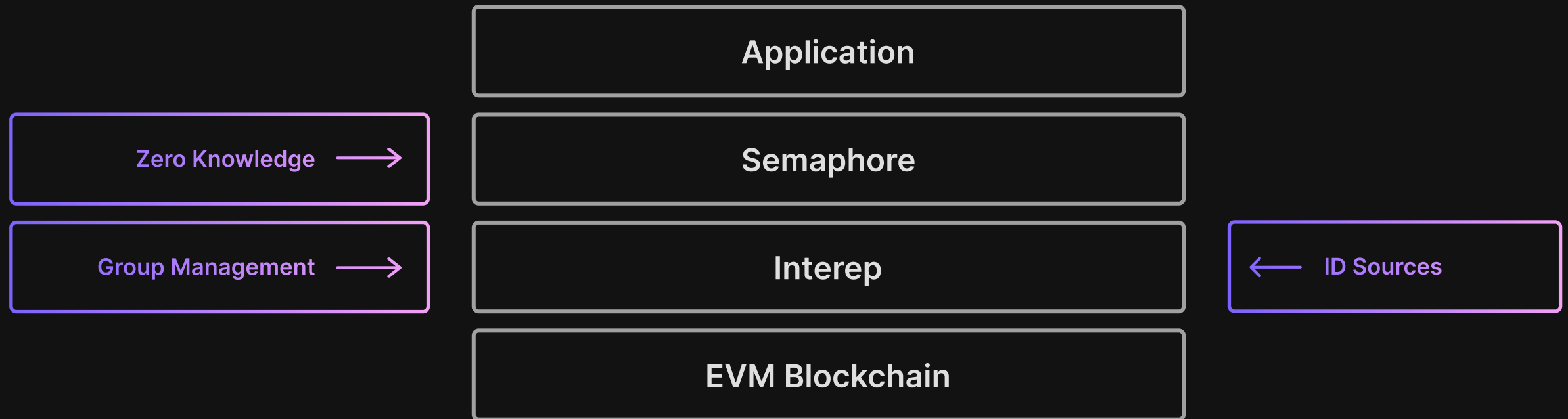
## INTEREP'S AIMS



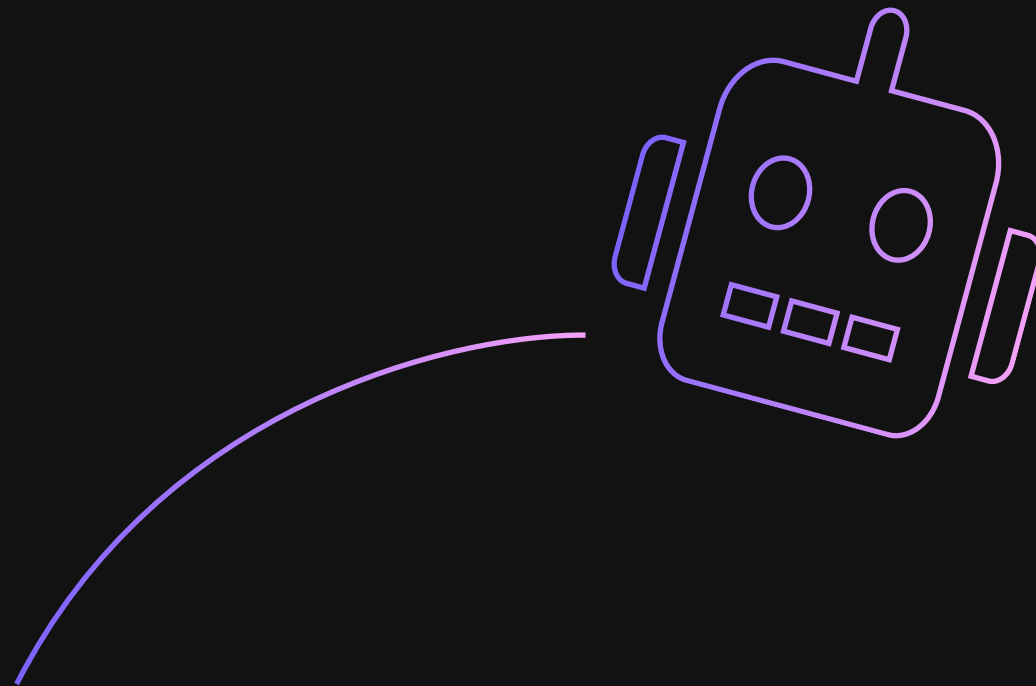
- Bridge to Ethereum
- Integrate with sources of digital identity
- Add privacy guarantees using Semaphore



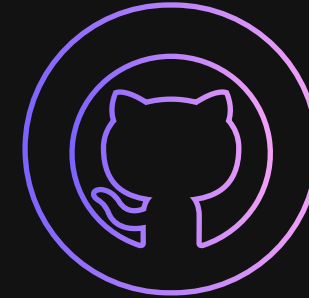
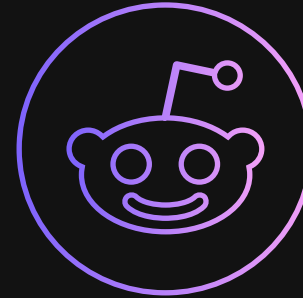
# THE APPLICATION STACK



Real-world identity is mirrored in digital ID, but we need to filter out the bots!

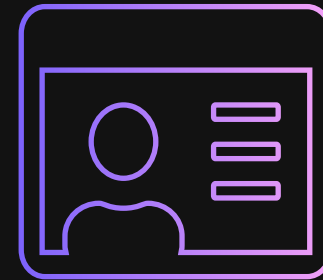
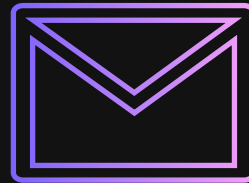


- Twitter
- Reddit
- Github
- More to come...



## MORE ID SOURCES

- Email
- Government authorities
- Curated groups
- Other ID projects
- On-chain sources







- Semaphore groups = Membership Sets
- Members my signal on a topic
- E.G.: Signal = Vote, Topic = Proposal
- Zero-Knowledge




## GROUPS




- Users Prove membership with ID source
- Multiple tiers
- Groups represent inherent levels of guarantee
- Strong Guarantees/smaller pool vs weaker guarantees/large pool

 **Twitter**

Group $i$	Members
 Gold	1267
 Silver	562
 Bronze	40

Authorize

 **Github**

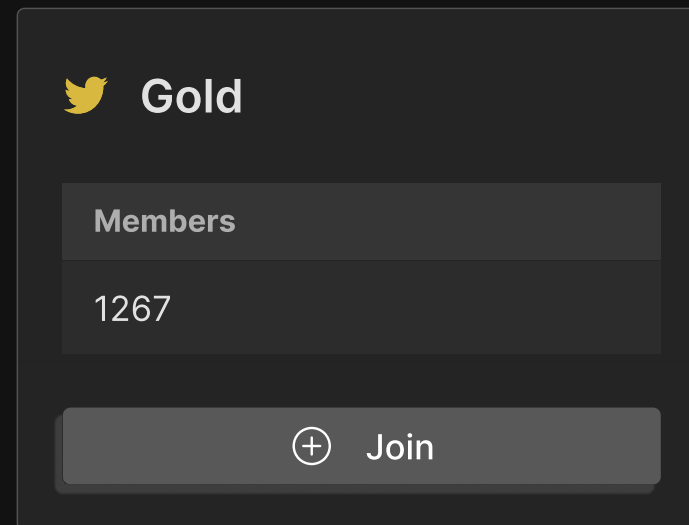
Group $i$	Members
 Gold	100
 Silver	532
 Bronze	40

Authorize

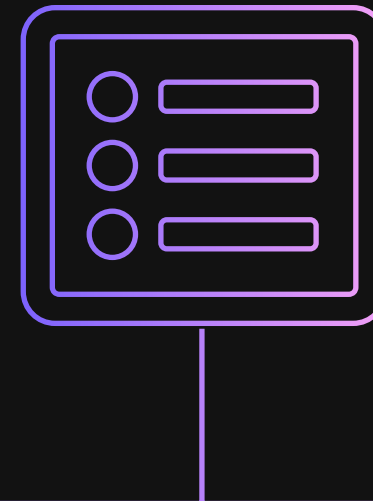


## JOINING GROUPS

- Users prove membership with the ID source
- Group tier will be assessed
- Join by signing with ETH address
- The link remains private



- Group membership is maintained on chain
- E.G.: A white list of approved accounts
- For curated groups, or for on-chain ID sources



## APPLICATIONS

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- Private voting
- Social networks
- Anti-spam, E.G. RLN
- Fair airdrops
- Sybil-resistant faucets



<https://streameth.tv/event/applied-zk>



## LINKS



- APP: <https://interep.link>
- DOCS: <https://interep.link/docs>
- CODE: <https://github.com/interep-project>
- DISCORD: <https://discord.gg/JCQXBCZP>