



Elkan (ZK KYC SBT)

preserving legal compliance
for onboarding and defi

Solidity Front-end Solidity Front-end Product



What we build

Zero-knowledge

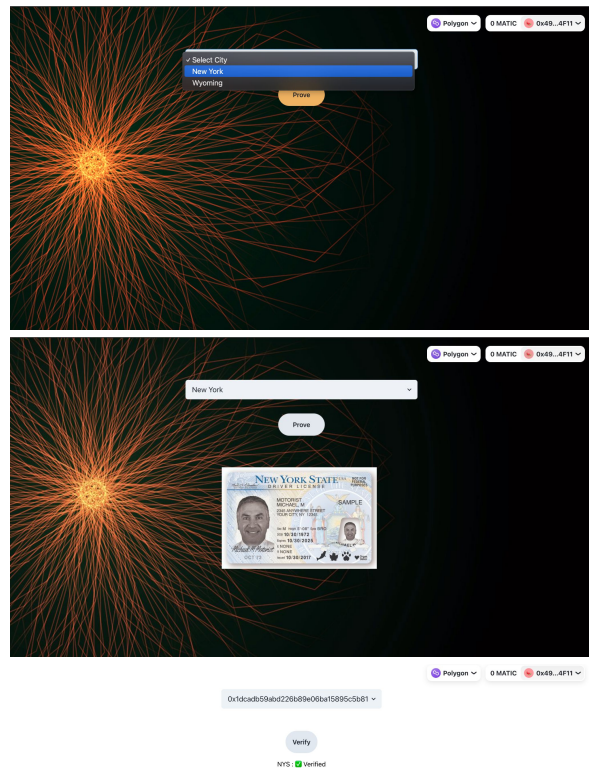
Know-Your-Customer and Personhood Proof

soulbound token

How it works

- A person **uploads** ID and use Worldcoin Widget
- Multiple verifiers **approve** the image of ID and its attributes
- Generate a **ZK** proof
- **Mint** non-transferable NFT with the proof
- Onboarding or DeFi **easily** verifies the attributes while respecting privacy

Demo: <https://web-stuff-lac.vercel.app/>



Under the hood

- Semaphore ZK library
- Soulbound NFT extended from ERC-721
- World ID for personhood proof
- Data on web3.storage & IPFS
- All decentralize, private, and easy to use

Impact

- Onboarding and DeFi compliance
 - Potential source for credit system
- Preserving privacy
 - While maintaining integrity for each user
- Reducing costs and removing repetitiveness
 - Keeping it simple with PPPoPP
- Removing single point of failure through decentralization
 - Full decentralization ahead, including Klernos

Thank you! 🧑🏻