

# Keypom x NEAR China

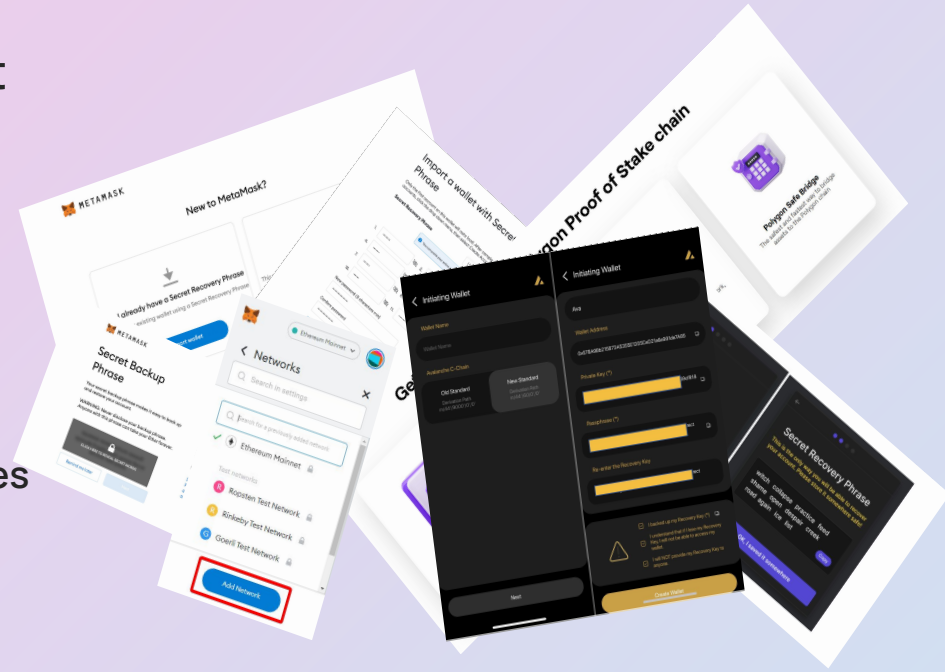
Instant crypto experiences

July 18th, 2023



# Current Crypto Experiences

- Problem: High barrier to entry that do not put user experience first!
  - Onboarding before dApp experience
  - Painful onboarding
  - Rugging during onboarding discourages developers from creating free trials
- Users and Developers lose out!

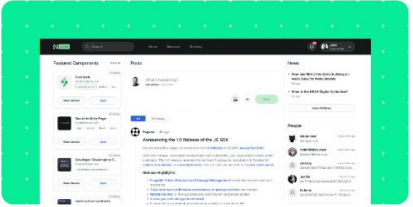



# Keypom in a Nutshell

## Instant Crypto Experiences

- Put the experience first, users onboard *after*
- More akin to Web2 experience:
  - Land on page, Use app, Sign up
- Unlock more use cases across ecosystem
  - [NEARCON 2023](#) and [NEAR APAC](#) Ticketing
  - [ShardDog](#) + Affiliated projects
    - [Refi](#), [NEARWEEK](#), [BluntDAO](#)
  - [Veriken](#)
  - [Coingecko 20k NFT Raffle](#)

Welcome to NEAR!



Enter Username

Your Account Name

Create



# Core Keypom Concepts

The core concepts to Keypom

# Core Keypom Concepts

- NEAR Access Key Model (Account Abstraction):
  - Key is not tied to an account and are used to sign transactions
  - Limited Access Keys is a restricted key only capable of calling certain functions on certain contracts
  - Keypom LAKs can *only call claim on the Keypom contract!*
- Keypom Terminology
  - Key: access key created by Keypom - this is distributed to users, which they will use to claim
  - Drop: a collection of keys that all share the same properties
  - Funder: user who creates and funds the drop



Original Moon!



# Case Study 1: Automatic DAO Registration

Real World Example: ShardDog x BluntDAO

# Auto DAO Registration - User Flow

## Traditionally:

- An interested user must create a wallet; introducing seed phrases, KYC etc.
- With an account, they create a proposal to join a DAO
- A user's membership into the DAO is then stuck waiting for a voting quorum to approve their proposal
- Only after a quorum is reached, are they registered in the DAO

## Supercharged with Keypom:



- An interested user clicks a link,
- *INSTANTLY* they are registered into the DAO and receive an NFT, regardless if they have a wallet

Auto-registration campaigns require council approval and can be human-gated using I-Am-Human

The screenshot shows a Keypom interface with a notification: "You've received a NEAR drop!". Below this, it displays "0.00319 NEAR" and "< \$0.01". A message states: "You may claim your NEAR drop with an existing account (must be logged in), or create a new account to receive it as an initial deposit." There is an input field for the account name "mintlu.near" and two buttons: "Claim with Existing Account" and "Claim with New Account".



Overview Proposals Treasury Members Policy	
Roles and permissions	
Name	Members
all	Everyone
new-onboarder-role	keypom-dao-tutorial-member.near mintlu.near mintlu.near

# Auto DAO Registration - How?

- *Asset Loading!*
  - Add NFTs, FTs, Function Calls, and NEAR to your drops
- When keys are claimed, these assets are transferred to the claiming account
- In this case two assets are loaded
  - Function call: 1 call to the DAO through a proxy
  - 1 NFT
- Upon claiming, the NFT is transferred and the DAO is called





# Auto DAO Registration - Function Call

*Other assets are more straightforward but how does one “load” a Function Call?*

- Function call assets are mostly predefined and limited only by the NEAR protocol 300TGas limit
  - You can multiple Function Calls as you want into *each key use*
- As the drop creator, you define:
  - Target/receiver contract
  - Method name
  - Arguments (as JSON)
  - Gas + Deposit
- You can also accept user arguments, and include other security measures
  - [Keypom Injected Arguments](#) cannot be spoofed!

```
methods: [  
  [  
    // receiverId: DAO_BOT_CONTRACT_MAINNET,  
    receiverId: DAO_BOT_CONTRACT_MAINNET,  
    methodName: "new_auto_registration",  
    args: JSON.stringify(  
      dao_contract: DAO_CONTRACT_MAINNET,  
      proposal: {  
        description: "Auto-Registering New Member",  
        kind: {  
          AddMemberToRole: {  
            role: "new-onboardee-role"  
          }  
        }  
      },  
      human_only: true  
    ),  
    accountIdField: "proposal.kind.AddMemberToRole.member_id",  
    funderIdField: "funder",  
    attachedDeposit: parseNearAmount("0.1"),  
  ],  
]
```

# How can you learn more?

!!DOCS!!

[DAO Auto-Registration  
Tutorial](#)

[Ticketing Tutorial](#)

[Other Basic Tutorials](#)





# Case Study 2: Trial Accounts

Real World Example: NEAR Horizon

# Trial Accounts - User Flow

## Traditionally:

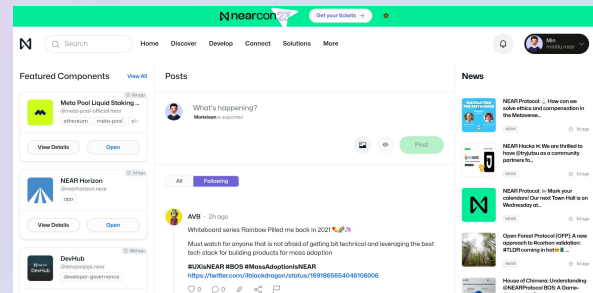
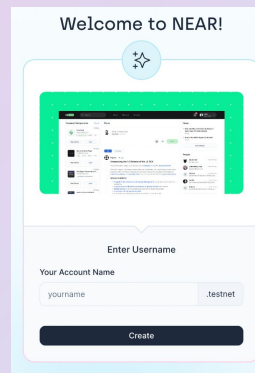
- Developers give out pre-funded wallets for users to try their dApp
- Users can rug the developers as funds are unrestricted

OR

- Users must have or create a wallet just to try a dApp...

## Supercharged with Keypom:

- User lands on dApp and picks a username
- *INSTANTLY* start using the dApp
- No fear of developers being rugged, 100% of funds will go to intended purpose!!



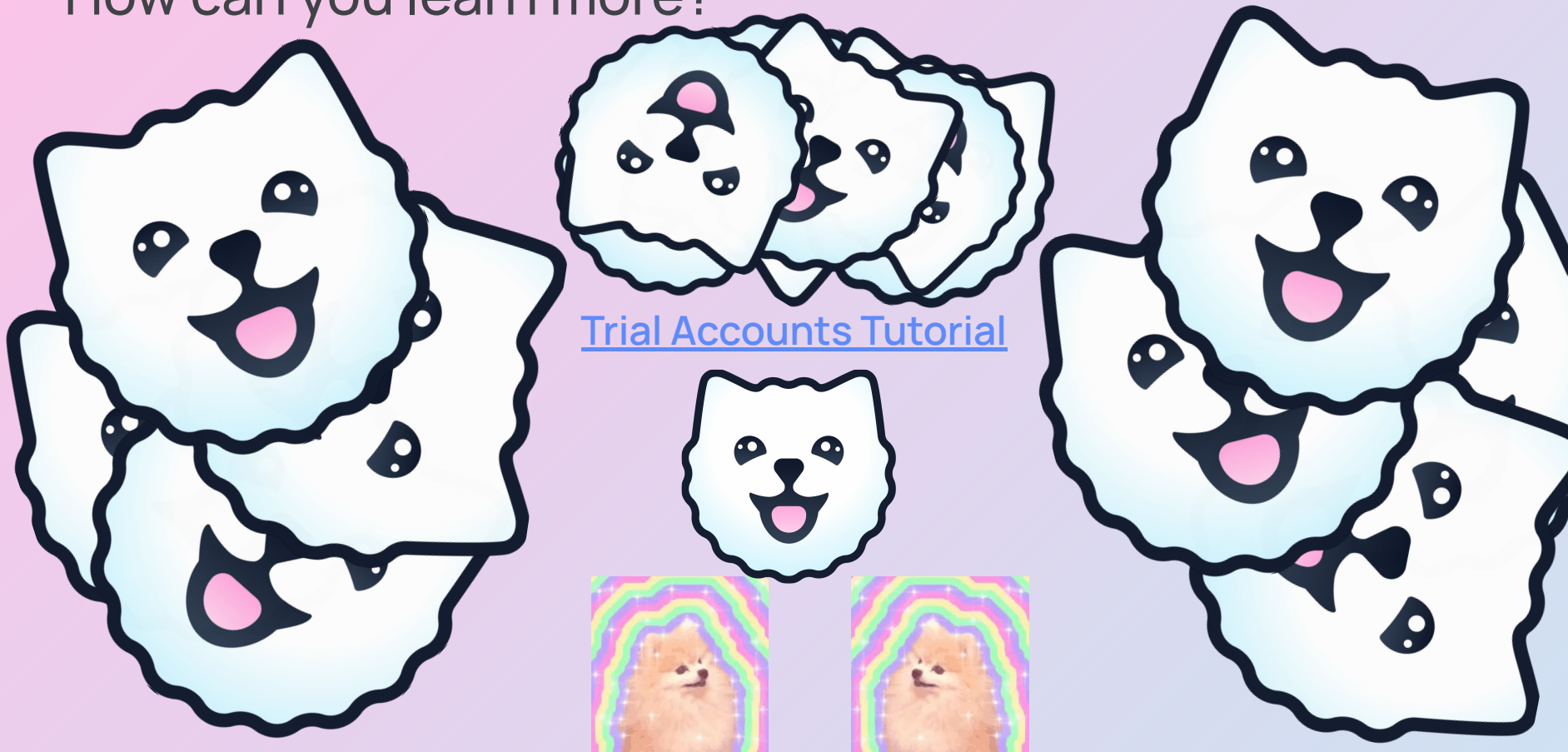


# Trial Accounts - How?

- Web3 gift card:
  - Users get a no-risk trial of your dApp
  - You have 100% certainty that the trial funds can ONLY be used on your dApp
- The developer has *full control* of all aspects of this trial
- Trial account = new account with a small proxy contract deployed!
  - This account only has a LAK to call this proxy.
  - The trial restrictions live on the proxy contract!



How can you learn more?



[Trial Accounts Tutorial](#)





# Case Study 3: NFT Access Key Ticketing

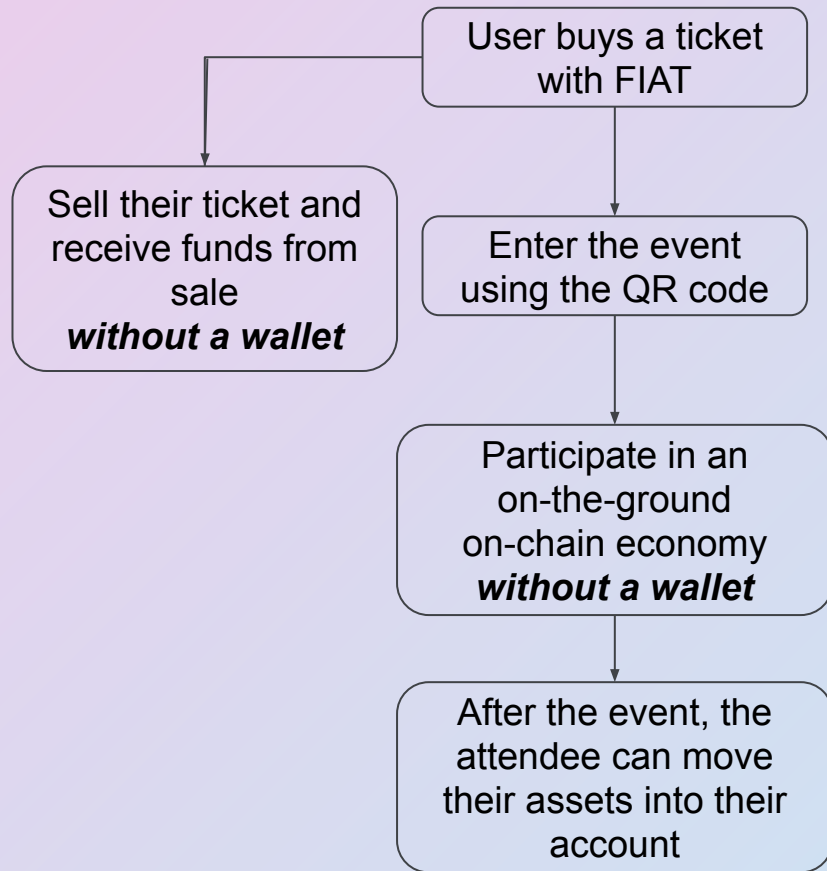
Real World Example: NEARCON 2023, NEAR Toronto Hub Launch

Under Development👁️👁️



# NFT Access Key Ticketing

- Access Key ↔ NFT
  - Every NFT ticket is linked to and controlled by one swappable Access Key.
- User can buy tickets, attend, earn/spend at the event, redeem their event assets or sell their tickets all without a wallet
- No comparable experience - Ticketing + Account Abstraction is new!



# NFT Access Key Ticketing - How?

- Each key is now associated with an NFT - which means you can trade, sell, and expand these access keys + NFTs without a wallet!
  - Selling a ticket simply swaps out the Access Key that an NFT is associated to
  - This selling/swapping can be price-protected
  - Funds from sale go to owner OR a linkdrop
- Attaching a trial account experience to each key
  - create on-the-ground and on-chain experiences for attendees without typical crypto jargon

Ticketing solutions by

VERIKEN



Keypom



Mintbase

nearcon23

How can you learn more?

