Unstoppable Models

We aim to create a public ML model training initiative (as a public good) where anyone can freely submit the next weight update for the model on public dataset according to dao controllable algorithm

PRESENTED BY:

0xPhDLiteratureReview

HACKATHON:

ETH PRAGUE

Problems that will be solved by Unstoppable Models

Ownership Resistance

Once an AI model is published freely, it cannot be regulated or stopped by any proprietary authority
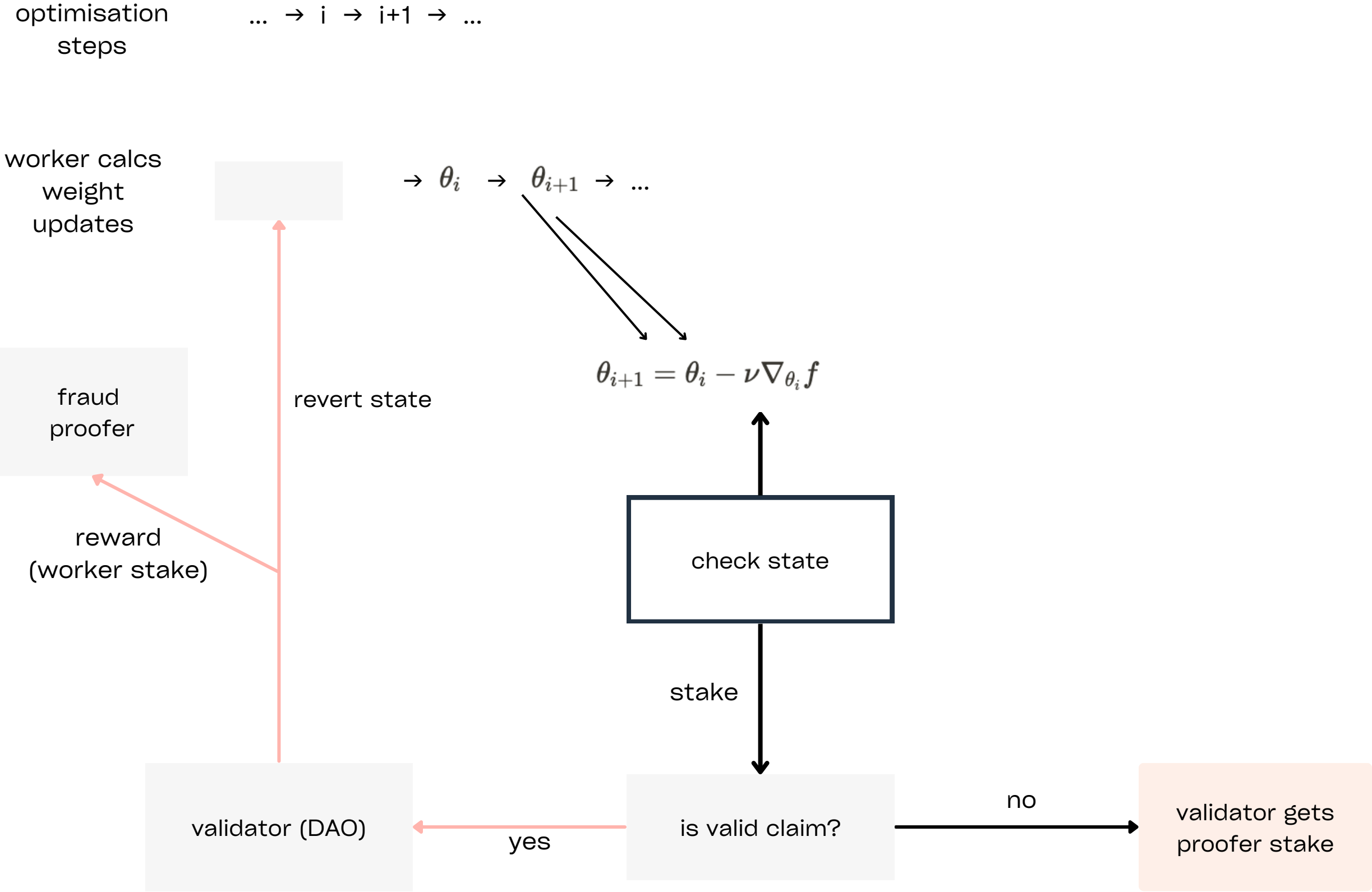(unlike GPT-3)

True Open Source

The initiative ensures that the model and its updates remain open and accessible to everyone.
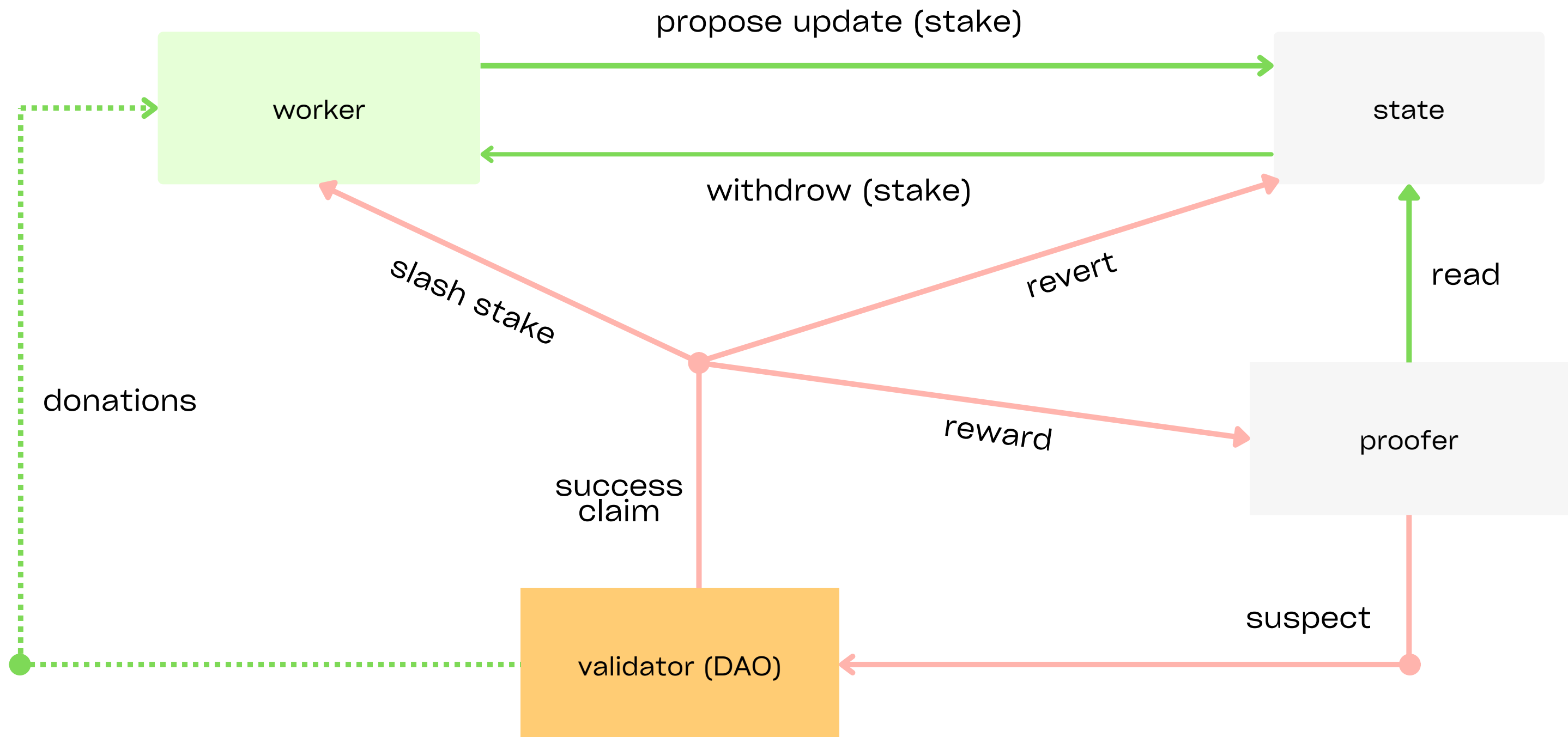
Continuous Improvement

The model can only be improved, as updates are verified for correctness before being accepted

Optimization process

optimisation steps

$$\dots \to i \to i+1 \to \dots$$

worker calcs weight updates

$$\to \theta_i \to \theta_{i+1} \to \dots$$

$$\theta_{i+1} = \theta_i - \nu \nabla_{\theta_i} f$$

fraud proofer

revert state

reward (worker stake)

check state

stake

validator (DAO)

yes

is valid claim?

no

validator gets proofer stake

Actors

- positive
- negative

worker → propose update (stake) → **state**

state → withdrow (stake) → **worker**

slash stake

revert

read

donations

reward

success claim

suspect

proofer

validator (DAO)

Team

Ivan Cheprasov, Co-Founder, CEO

Senior SWE, FluenceLabs
ex-Tech Lead (IoT), ex-DevOps (Fintech)
MSc in Applied Mathematics and Physics, MIPT

Sergey Miller, Co-Founder, CTO

Senior ML Engineer, Joom (Near-SOTA RecSys models R&D)
ex-Yandex ML Engineer, ex-developer Catboost
MSc in Applied Mathematics and Computer Science, MIPT

Olga Miller, Co-Founder, CMO

Founder of OKAD marketing agency (okad.agency)
Instagram (15,2k), Tiktok (52k), TG (2,2k)
MSc in Applied Mathematics and Computer Science, MIPT

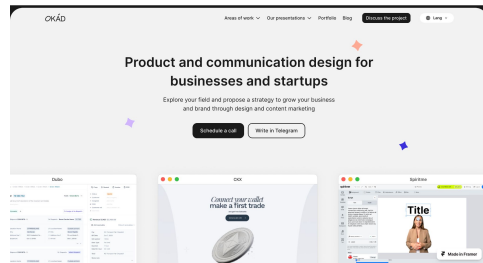**Elizaveta Troshchilova, Co-Founder, CCO & CIO**

Product analyst (Fintech)
Ex-Data analyst/Data engineer (Aliexpress)
MSc in Applied Mathematics and Computer Science, MIPT
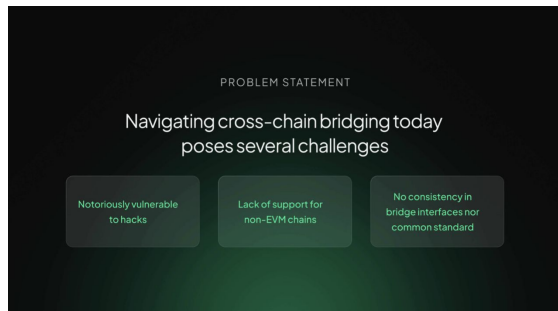
Team Experience

- 6 out of 9 prized hackathon for the last 3 years

- fulfilled development grant

- and more (link to our GitHub below)
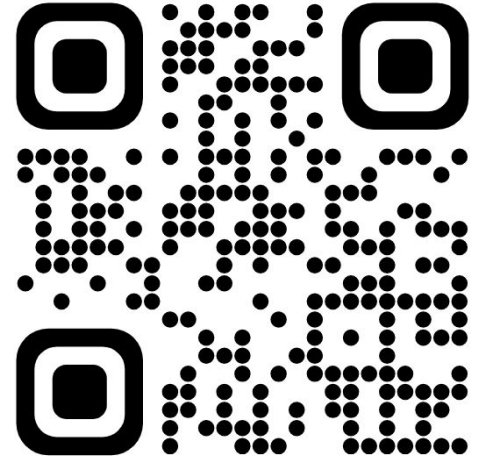
Marketing Agency

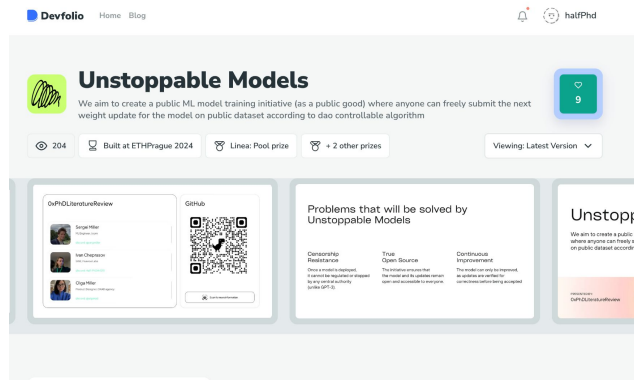First atomic bridge-less cross-chain assets swap, 2024 (hack, 3d place, Near)

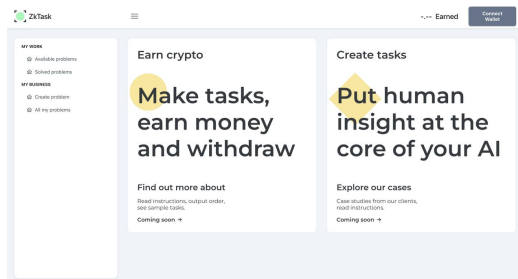NFT Gift Button, 2021
(Fulfilled Proposal, Rarible)
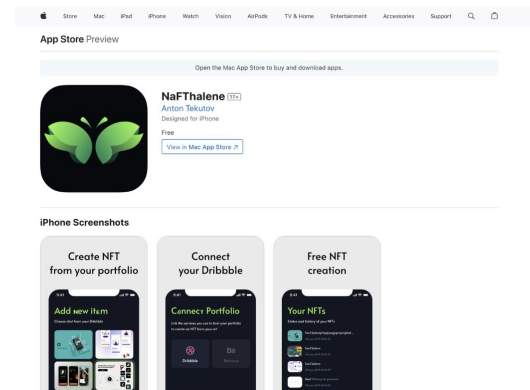

Team Projects

Unstoppable Models, 2024
(hack, 1st place, Polygon)

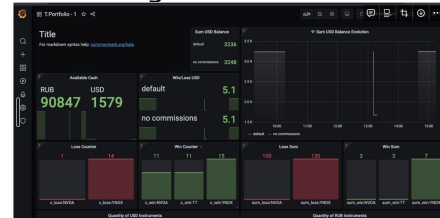
On-chain data labeling, 2023 (hack, 2 prizes)

NaFThalene iOS, 2021 (hack, 2nd place)

ML Trading Bot, 2020

AI Based on Internal Data, 2023