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

Censorship Resistance

Once a model is deployed, it cannot be regulated or stopped by any central authority (unlike GPT-3).
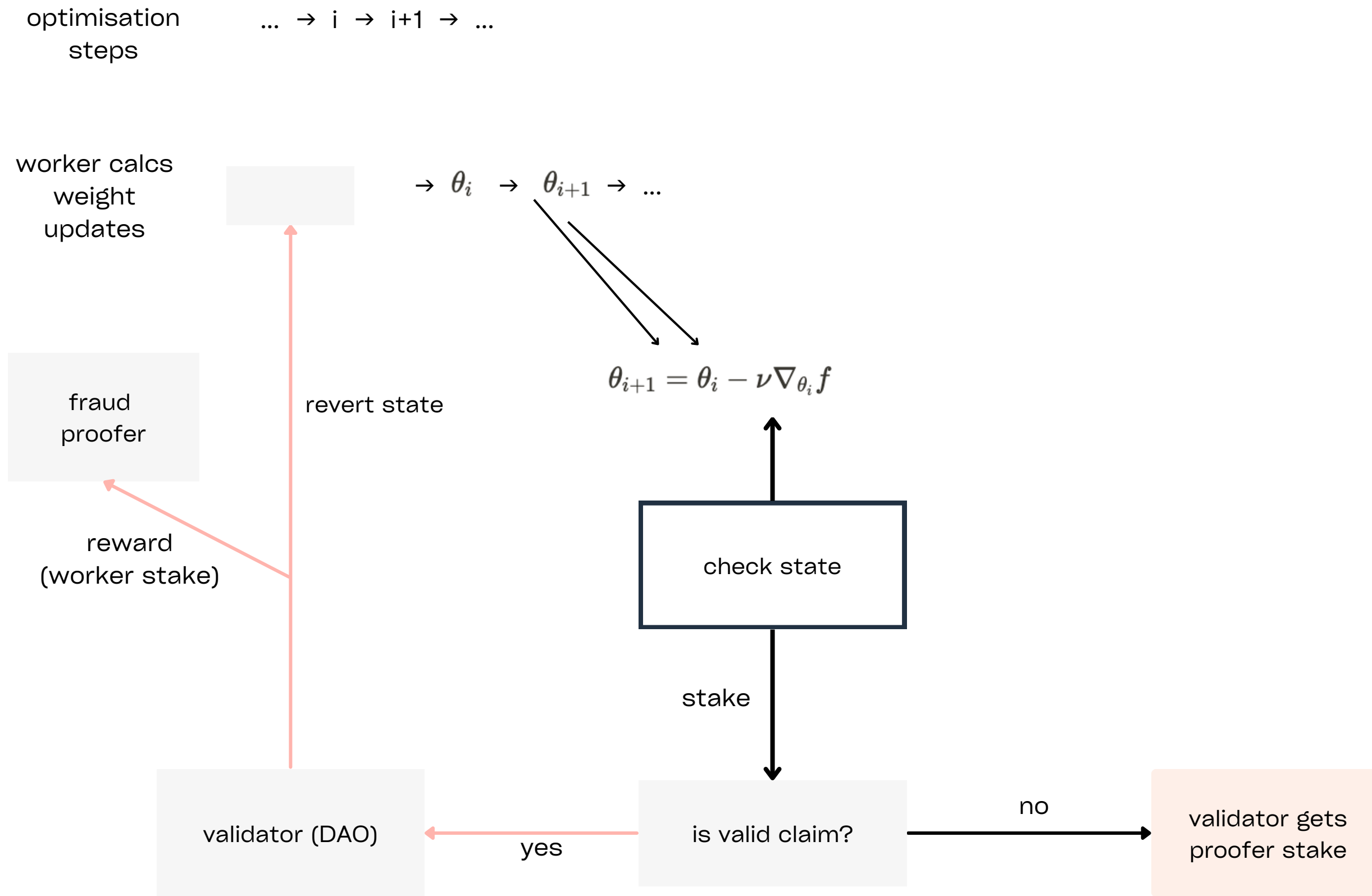
True Open Source

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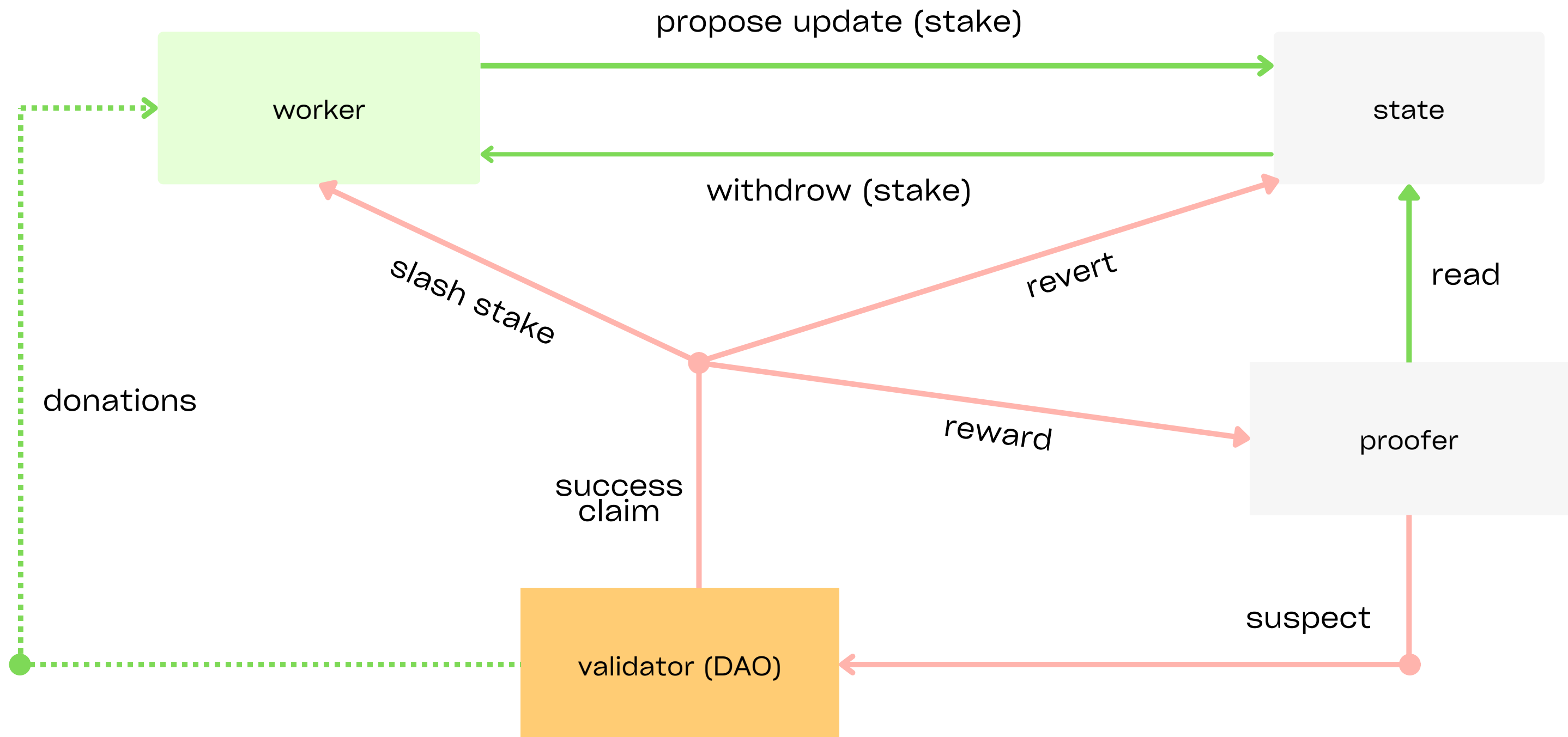
Continuous Improvement

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

reward
(worker stake)

revert state

check state

stake

validator (DAO)

yes

is valid claim?

no

validator gets
proofer stake

Actors

— positive
— negative

propose update (stake)

worker →→→ state

←←← withdraw (stake)

slash stake

revert

read

donations

reward

proofer

success claim

suspect

validator (DAO)

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GitHub

Scan for more information