Alice: A Protocol for AI Sovereignty

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Abstract

Alice is a decentralized AI training and inference network. Miners worldwide contribute GPU compute to train an open-source language model from scratch, and will provide decentralized inference services as the network matures. Miners earn ALICE tokens in proportion to their verified contribution.

No company. No premine. No owner.

Part I: Manifesto

1.1 The Crisis

On February 27, 2026, OpenAI officially reached a deal with the U.S. Department of Defense to deploy its AI models for military use.

On the same day, Anthropic — having refused to allow its models to be used for mass surveillance and fully autonomous weapons — was ordered off federal contracts by the U.S. president, labeled a “supply chain risk” by the DoD, and expelled from the military contractor ecosystem. One company tried to draw a line. State power erased it within hours.

This was not the beginning. Google’s Project Maven had already embedded machine learning into intelligence analysis. xAI’s Grok had signaled willingness to operate in classified environments. But February 27 marked a turning point — not just AI being weaponized, but **companies that resisted being punished**.

As of 2026, a handful of companies control artificial intelligence:

- **OpenAI** (backed by Microsoft) — ChatGPT, GPT-4
- **Google** — Gemini

- **Anthropic** (backed by Google/Amazon) — Claude
- **xAI** (Elon Musk) — Grok

Approximately **800 million people** use their products. **Zero people** own them.

This is not a competitive market. This is a power structure. Whoever controls the model controls the interface to knowledge. A corporate entity is a target that can be pressured. A contract is leverage that can be revoked. Even companies that try to resist are structurally vulnerable — the centralization itself is the attack surface.

1.2 Cognitive Sovereignty

Bitcoin proved that money can be decentralized. Alice will prove that **intelligence can be decentralized**.

Cognitive sovereignty is the right to: train AI without permission; access AI without a gatekeeper; modify AI without corporate approval; run AI without surveillance. It is the principle that intelligence should not be monopolized.

Dimension	Bitcoin (2009)	Alice (2026)
What is decentralized	Money	Artificial Intelligence
Central authority	No central bank	No corporate owner
Participation	Permissionless	Permissionless
Censorship resistance	Transactions	Inference
Supply	21 million BTC	21 million ALICE
Compute outcome	Wasted (SHA-256)	Becomes open-source model

The pattern repeats: what was centralized becomes distributed. What was controlled becomes free.

1.3 The Solution

A distributed training and inference network where:

- Any participant contributes GPU compute to train a shared AI model from scratch

- Contributors earn ALICE tokens proportional to their verified work
- The trained model weights are fully public — anyone can download and run them freely
- Inference is served by decentralized nodes globally, with no single point of censorship
- No single entity can censor, modify, or shut down the network

Why it must be from scratch: Most “decentralized AI” projects fine-tune existing models (Llama, Mistral, etc.). That is not independence — it is dependency on Meta, Mistral AI, and others. If an upstream company changes its license or embeds a backdoor, every downstream project is affected.

Alice trains from random initialization. Every weight, from the first parameter to the last, is computed by the Alice network’s miners. The cost is slower development and lower initial quality. The reward is genuine sovereignty.

1.4 Ideological Purity

Alice deliberately refuses shortcuts:

- No fine-tuning — trained from scratch
- No premine — 100% mined distribution
- No venture capital — community driven
- No corporate entity — pure protocol

This purity is costly, but essential for credibility. Purity is the only moat against capture.

1.5 The Genesis Block

The first block of the Alice blockchain contains:

```
OpenAI officially reaches deal with the Pentagon
to deploy its AI models for military use.
2/27/2026

800 million people use their products.
Zero people own them.
```

```
Alice — Trained by the people, from scratch.
```

As Bitcoin's genesis block cited the 2008 bank bailout, Alice's genesis block marks the moment AI weaponization became undeniable.

1.6 The Endgame

Alice's goal is to compete directly with the centralized AI giants — and ultimately surpass them.

Not a partial victory in some niche. A system that matches OpenAI, Google, and Anthropic in capability, while being fundamentally different in structure: no owner, unkillable, uncapturable.

Phase	Scale	Milestone
Genesis (now)	7B Dense	Mainnet live, training loop verified
Phase 2	56B (MoE)	Decentralized inference live, practical capability
Phase 3	112B+ (MoE)	Matches mainstream frontier models
Phase 4	200B+ (MoE)	Surpasses centralized AI, community-owned superintelligence

This road is long and difficult. But it is the only road whose endpoint is controlled by no government and no company.

1.7 This Is Not a Company

Alice has no company, no CEO, no board, no investors. It is a protocol — a set of open rules anyone can run.

Nobody "operates" Alice. Nobody can "shut down" Alice. Nobody "owns" Alice. Nobody "controls" Alice.

Part II: What Alice Does

2.1 Three Components

```
Miners (GPUs worldwide)
    |  submit gradients / serve inference
    v
Parameter Server (PS)
    |  score + aggregate + submit
    v
Substrate Blockchain
    |  verify + mint ALICE
```

Miners: Contribute GPU compute, download the model, train on a data shard, submit compressed gradients, earn ALICE rewards. As the network matures, miners may also run inference nodes.

Parameter Server: Receives gradients, evaluates quality using an independent validation set, aggregates valid gradients to update the global model, submits epoch data to the chain to trigger rewards.

Blockchain: Records each epoch's contributions, calculates and mints ALICE, maintains the ledger, enforces monetary policy.

2.2 Proof of Gradient

Traditional Proof of Work wastes energy on meaningless hashes. Alice's Proof of Gradient redirects compute to useful work: training AI.

Each miner:

1. Receives a training task
2. Trains the model locally on assigned data
3. Submits compressed gradients (~16MB)
4. PS scores the gradient: score = improvement in validation loss
5. score > 0, accepted, proportional reward distributed

Miners cannot cheat: The PS holds an independent validation set. Miners have no access to validation data and cannot fabricate improvement.

2.3 Participation Requirements

Minimum: 24GB VRAM or unified memory

Hardware	Examples
CUDA GPU	RTX 3090 / 4090
Apple Silicon	M1 Max 32GB+
Enterprise GPU	A100 / H100

Any qualifying device can participate. No permission required. No registration. No identity verification beyond a cryptographic key.

2.4 ALICE Token

Parameter	Value
Total Supply	21,000,000 (hard cap)
Premine	0
Team Allocation	0
Investor Allocation	0
Halving Cycle	Every 2 years
Distribution	100% mined

Year 0-2 annual budget: 5,250,000 ALICE. Halved every two years thereafter.

Zero premine is a commitment, not a slogan. The founder operates under the exact same economic rules as any miner who joins later — contribute compute, earn rewards proportional to score, no special privileges.

2.5 Model Openness

All model weights produced by Alice training are fully public:

- Anyone can download and run locally
- Anyone can fine-tune for their own use
- Anyone can fork the entire network
- No central API. No censorship interface.

Alice does not produce a product. Alice produces infrastructure.

Technical architecture details are maintained in a separate document: Alice Technical Architecture. That document is updated continuously as the engineering evolves.

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