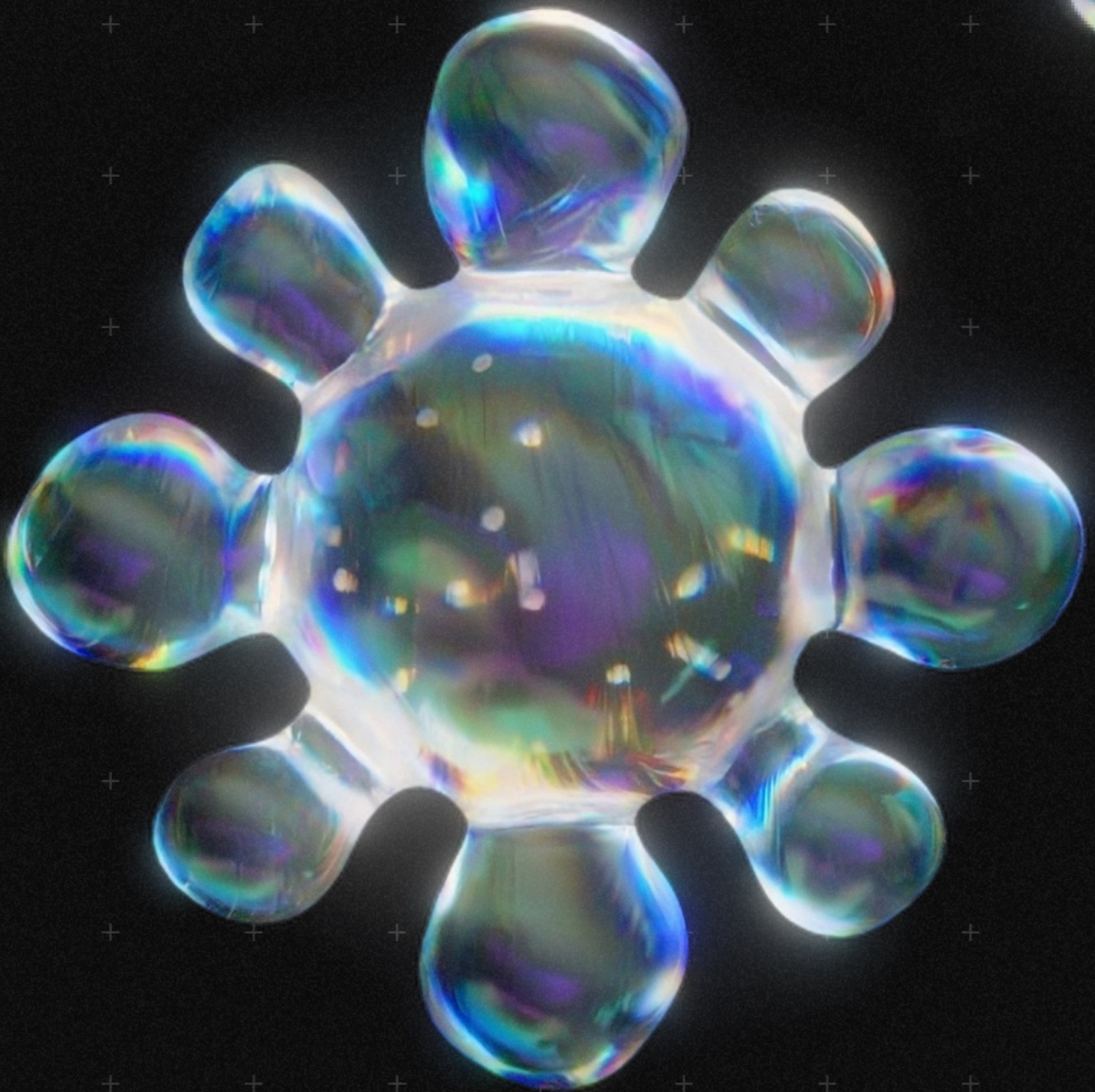


LITEPAPER

INTRODUCTION
TO GENOME



Real Users, Retention and Revenue for Protocols, Apps & Games. Web3's best rewards system for users who do more than just click.



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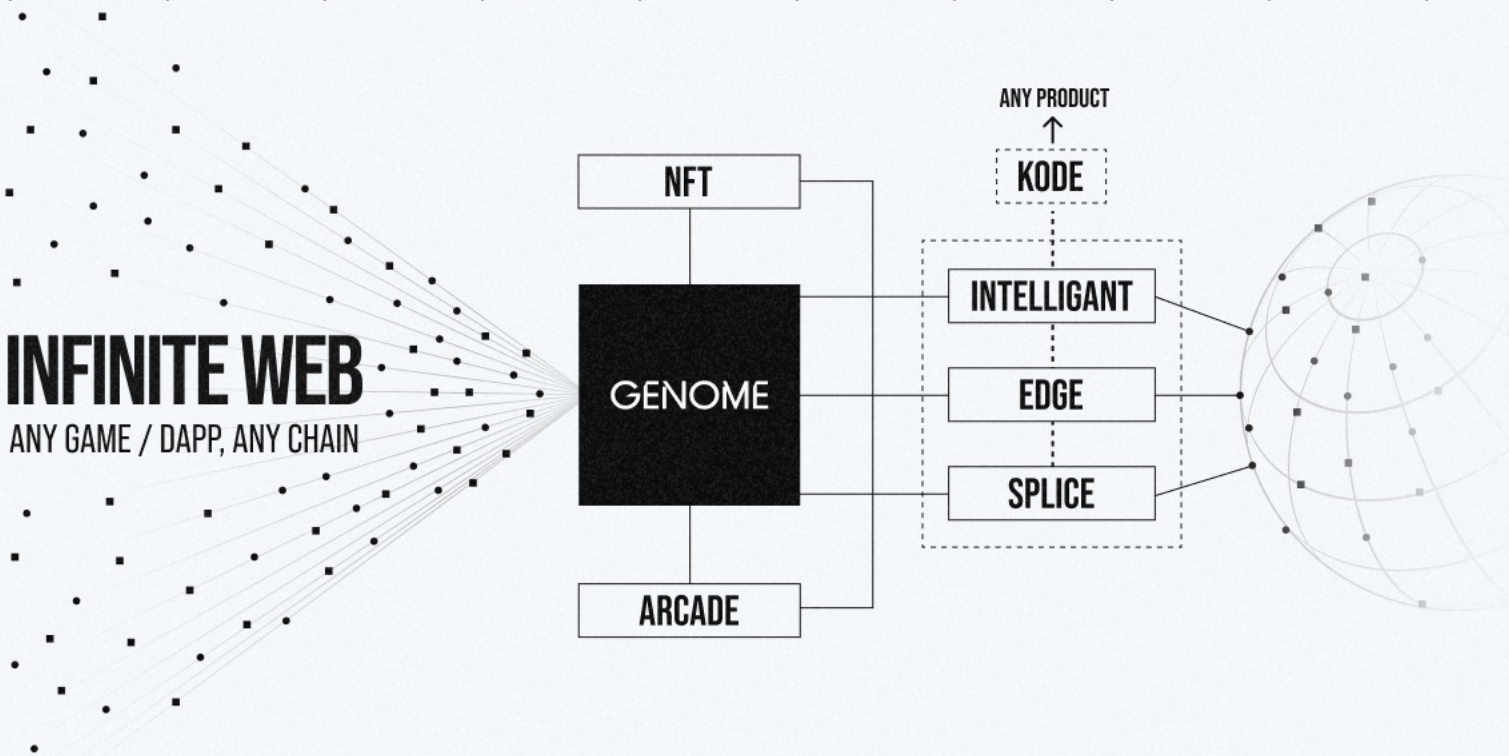


Web3 has no shortage of users existing and incoming, but it lacks infrastructure to understand, grow, and retain them. Protocols, dApps, and games all face the same challenge: turning attention into meaningful, measurable and retainable growth.

Genome solves this by introducing a programmable engagement layer that adapts to user behavior in real time, rewarding high-value actions and creating persistent value flows between platforms and people.

GENOME’S NEW MODULAR STACK

Combining the Edge, Splice, and Inteligant primitives, transforms campaign infrastructure into a dynamic, intelligent system for acquiring, retaining, and learning from users.







THIS IS ENGAGEMENT LIQUITIED

Genome is a next-generation engagement engine that unifies players, users, and communities across Web2 and Web3 into a fully programmable, AI-powered growth ecosystem.

	+	+
	+	



Genome bridges Web2 and Web3 to establish an interconnected economy powered by AI and InfoFi, where AI tools enhance engagement, automate tasks, Agents evolve, compete and create new ways for players and developers to earn and grow. Builders can easily incorporate competitive ecosystems into their projects using native tokens and NFTs, creating district and effective revenue streams from fees and sponsorships while reaching a previously untapped global audience.

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+		+
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With a white-label, ready-to-use interface, players and viewers can log in from any wallet, enabling one-click access, to host or join tournaments, compete, and earn alongside users across Web3.

	+	+
+	+	+
+	+	

Genome’s architecture supports limitless scalability, speed, and seamless integration, with complete chain and account abstraction, supporting any platform or asset type. Through decentralized technology, Genome unites protocols, platforms, games, and communities into a shared, intelligent, monetizable attention economy.

	+	+
+	+	+
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TIME IS MONEY

Engagement fuels modern game economies, driving immersive experiences, loyal audiences, and industry growth.

Genome captures and transforms this engagement, whether through playing, watching, or building, into liquid assets that can be distributed fairly and transparently across the ecosystems into deserving places, to deserving users.

By unlocking the true value of engagement, Genome establishes an open market where value flows directly in proportion to contribution, creating a fair and equitable distribution model for all participants.



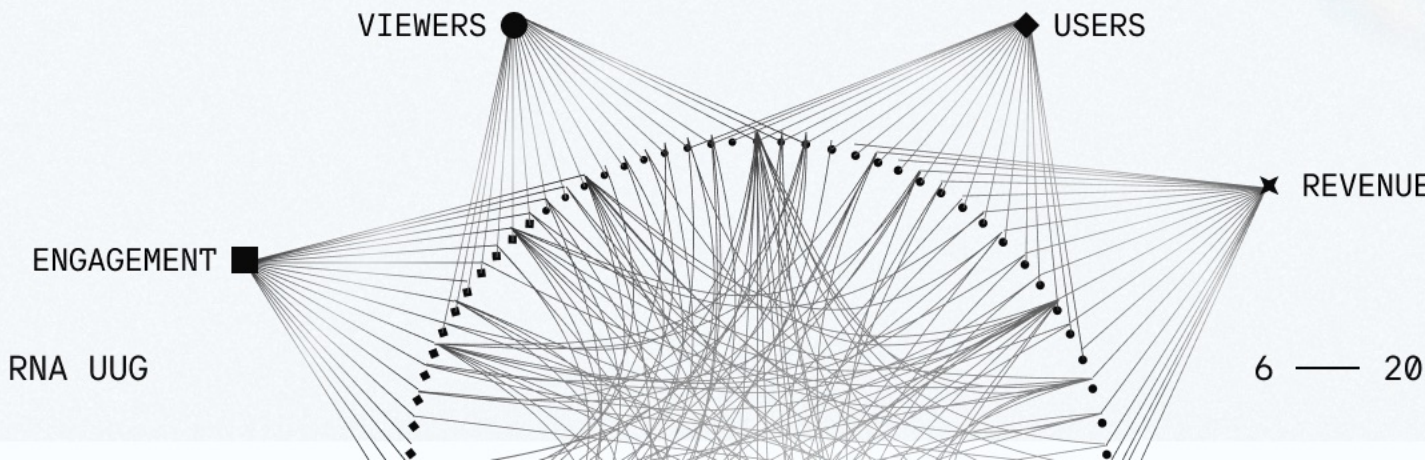
NOW EVERYONE HAS SKIN IN THE GAME

Whether you're a DeFi protocol, NFT marketplace, or competitive game, your users compete for rewards, attention, or outcomes. Genome makes that competition programmable, scalable, and interoperable.

Traditionally, each Web3 projects operates within their own rigid economy, only accessible to a limited pool of gamers and stakeholders, like sponsors. Genome dismantles these barriers by leveraging smart contracts and programmable assets, transforming previously complex projects into a unified ecosystem, accessible to all.

Genome combines InfoFi and AI to redefine competition. Edge's gamified progression, powered by insights from Splice, rewards players for participating in tournaments, enhancing engagement with meaningful incentives. With GameFAI, players and AI agents compete in dynamic tournaments, enabling smarter, scalable, and more sustainable engagement. Integrating native project tokens and NFTs whilst maintaining full control of smart contracts, developers can gamify economies and enhance asset utility with custom logic, such as fee burns, to boost engagement. Sponsors can also integrate instantly and seamlessly, joining live streaming venues to create an immersive, full-circle experience.

Genome goes beyond traditional PvP formats, enabling competition across all verticals: from strategy games and puzzle apps to DeFi prediction markets and governance tournaments. Whether tracking scores, outcomes, or behaviors, Genome creates flexible, interoperable competition layers that allow games, dApps, and protocols to turn engagement into real, measurable value.





INFRASTRUCTURE BUILT FOR THE MASSES

The future of engagement demands an interconnected ecosystem where users, liquidity, and value flow freely. This requires infrastructure founded on interoperability, allowing seamless access from anywhere.

Genome unifies fragmented ecosystems, from DeFi and DAOs to onchain games, using chain and account abstraction. Anyone can plug in and run campaigns or competitions across any blockchain.

With a fully account-abstracted solution, users can access within a few clicks, creating internet-like experiences.

As the Web3 landscape continues to expand, with over 3 billion gamers and viewers worldwide—Genome is designed to be infinitely scalable, decentralized, and dynamically responsive to rising volume and demand.

Supporting limitless competitive activity, Genome scales horizontally through dedicated proof-of-stake agents that expand freely as needed.

Inteligant's infrastructure is built for scale. Splice and Inteligant together enable not just horizontal scalability, but intelligent adaptability, systems that learn and evolve as user behavior changes.



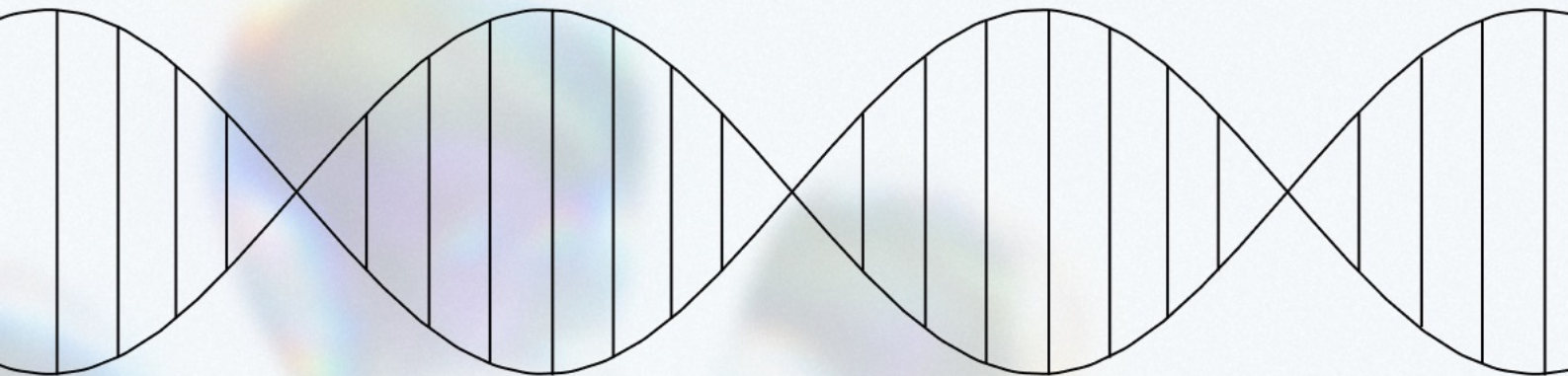


EMPOWERING USERS TO LEAD

Web3 today often prioritizes profit over player experience, pushing the community to the sidelines in major decisions. Genome inverts this model completely, finally giving users direct control over their experience.

Users can take the lead weather through play, spectating, prediction or more.

With the power to shape tournament structures, set fees, vote on new games, manage token burns, and more, With Inteligant insights, NOME holders can steer the platform's evolution more effectively. This player-first approach leverages data and AI tools to create a transparent, community-driven ecosystem.



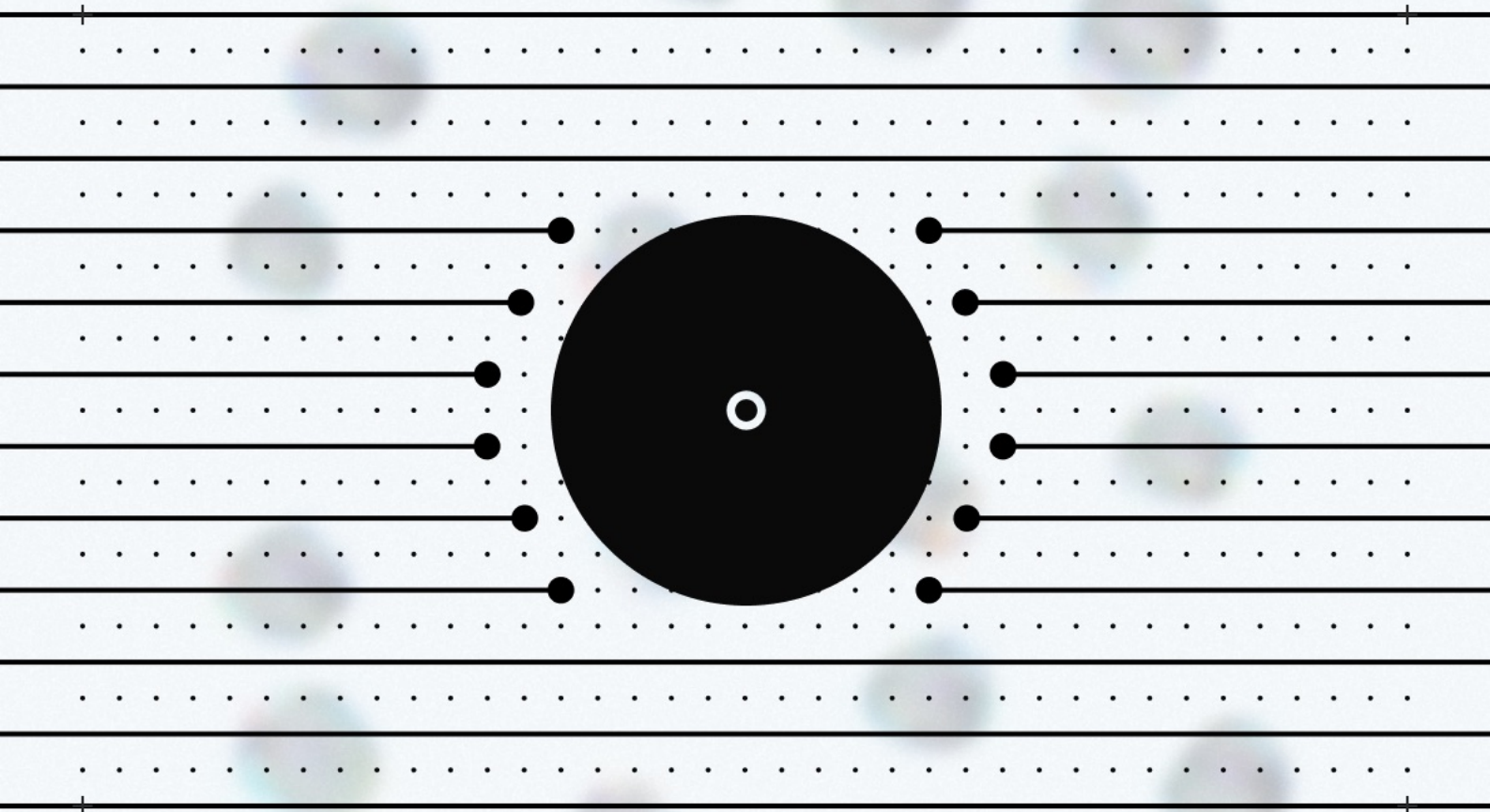


BUILT FOR GAMES PROTOCOLS AND PLATFORMS

Genome works with Web2 and Web3 systems, from dApps and DeFi protocols to large-scale games, to deliver seamless, omnichain engagement infrastructure.

Built for ultimate flexibility, it adapts to both Web2 and Web3 apps, truly uniting communities across platforms.

With one-click logins, Genome merges traditional and blockchain users, creating a cohesive, interconnected ecosystem. This collaborative approach ensures broad compatibility and accessibility for all players, regardless of their entry point or background in gaming.





THE NEXT ERA OF ENGAGED ECONOMIES

EngagementFi merges the principles of GameFi with the power of artificial intelligence, creating smarter, more dynamic gaming ecosystems. By integrating AI into existing Game-Fi structures, Genome unlocks new opportunities for players, developers, and communities to compete, earn, and engage.

WHAT GAMEFAI ENABLES

E.g. CS:GO, Factorio, Super Smash Bros and others

Smarter Gameplay	AI agents analyze performance, optimize strategies, and automate tasks like resource farming and P2E grinding, allowing players to focus on the game's most rewarding aspects.
Enhanced Competition	Deploy AI agents in tournaments, prediction markets, or agent-vs-agent battles, expanding and redefining the scope of competitive gaming.
Monetizable Assets	Rent or sell trained AI agents as virtual coaches, predictive analysts, or autonomous players, creating new revenue streams for users and developers alike.
Real-time behavior optimization	Splice enables Game-FAI systems to evolve based on cohort engagement patterns and AI-predicted retention models.

TRANSFORMING GAME-FI WITH AI

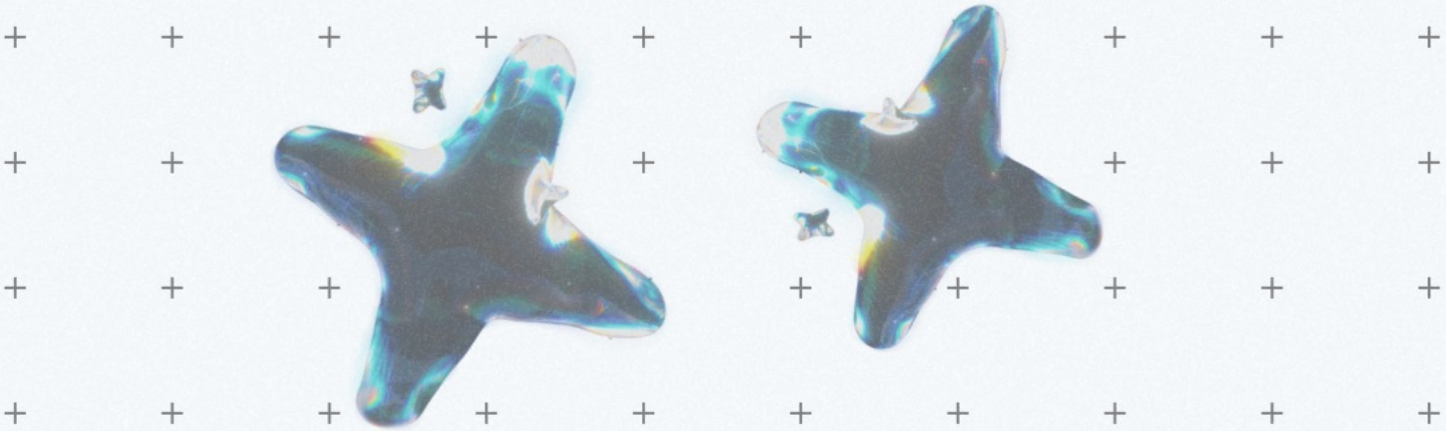
Genome ensures transparency and trust in GameFAI ecosystems with Trusted Execution Environments (TEE). This technology verifies that all AI interactions—whether in competition, prediction, or collaboration—are secure, fair, and reliable.



LIMITLESS APPLICATIONS

GameFAI enhances gaming across genres and platforms:

+	DeFi platforms can use Game-FAI for prediction games or incentive gamification.	+
+	NFT projects can deploy agents for curation or interaction.	+
+	DAOs can run governance tournaments or behavior-driven incentives.	+



ENGAGEMENTFI
SMARTER, SCALABLE, AND SUSTAINABLE

By combining the adaptive intelligence of AI with the economic innovation of Web3, Genome drives to usher in the next evolution of engagement. Empowering users and developers to take full advantage of AI-enhanced ecosystems, creating smarter participation, scalable engagement, and sustainable and tangible value.



WEB2 GAMES PAIN POINTS












E.g. CS:GO, Factorio, Super Smash Bros and others

TRADITIONAL PROBLEM	GENOME SOLUTION
<div> Lack of infrastructure</div> <div>Web2 games often lack the necessary tools and p2p transaction systems</div>	<div> Monetizable Competitional Label</div> <div>Introduces a competitive layer that monetizes engagement with advanced, sophisticated features like live streaming</div>
<div> Limited customization</div> <div>Players cannot create custom tournaments, restricting engagement to major Esports events</div>	<div> Customizable Revenue Distribution</div> <div>Offers clear fee structures and revenue sharing via blockchain technology, making it as easy to implement as it is effective</div>
<div> Neglected Viewers</div> <div>Viewer participation is to larger Esports events, with little to no opportunity for engagement for regular consumers</div>	<div> Easy Integration</div> <div>Developers can integrate Genome through their pre-existing native game interface or Edge platform, allowing access for all viewers and players.</div>
<div> Sponsor Disparity</div> <div>Smaller sponsors often neglected, only major brands receiving representation</div>	<div> Level Playing Field</div> <div>Allows sponsors and advertisers to easily plug in to or host tournaments, leveling the playing field</div>
<div> Genre Limitations</div> <div>Not all gaming genres are represented within the Esports ecosystem only focusing on the largely popular games.</div>	<div> Diverse Engagement</div> <div>Supports diverse engagement, ensuring representation for various gaming genres as long as there's an audience or player</div>
<div> Revenue Loss for Smaller Games</div> <div>Traditional gamings skewed to benefit those with bigger treasures, sidelining smaller games & their potential revenue.</div>	<div> Transparent Fee Structures</div> <div>Transparent fees and revenue sharing through blockchain technology allows smaller games to thrive.</div>



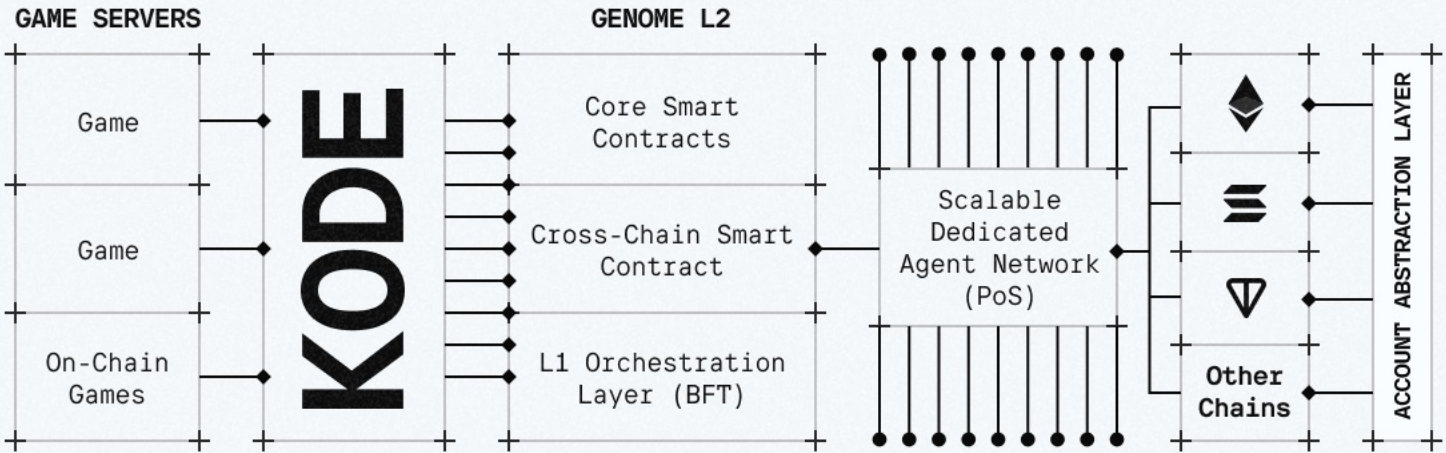
WEB3 GAMES PAIN POINTS

E.g. Farcana, Shrapnel, Metalcore and others

TRADITIONAL PROBLEM	GENOME SOLUTION
<div> Fragmentation</div> <div>The Web3 gaming landscape is highly fragmented, leading to poor user experience and accessibility</div>	<div> Unified Blockchain Ecosystem</div> <div>Enables any Web3 game to integrate into a cohesive blockchain environment</div>
<div> Low Daily Active Users (DAUs)</div> <div>Many games struggle to attract and retain players in a new and oversaturated space</div>	<div> Cross-Chain Accessibility</div> <div>Allows users and liquidity to flow from any blockchain including email login</div>
<div> Sustainable Liquidity Issues</div> <div>Current liquidity models are unsustainable, with “compete to earn” systems lacking fluidity</div>	<div> Custom Competitive Arenas</div> <div>Allows for the creation of custom competitive arenas within games, promoting sustainable liquidity and engagement</div>
<div> Limited Developer Tools</div> <div>Developers face challenges in accessing or affording tools due to chain restrictions</div>	<div> No Additional Costs</div> <div>Provides robust developer friendly tools with no hidden costs, empowering developers to focus on gameplay improvements across all chains.</div>
<div> Unused Tokens and NFTs</div> <div>Many tokens and NFTs are under utilized within the ecosystem with utility plans needing time</div>	<div> Maximized Utility</div> <div>Native assets can be effectively utilized in competitions from day one, maximizing their utility and engagement potential</div>
<div> Isolated Viewers</div> <div>Poor and immature infrastructure for bridging Web2 gamers to the Web3 environment</div>	<div> Seamless Integration</div> <div>Through Edge, Web2 and Web3 audiences & platforms can bridge seamlessly, fostering a unified gaming ecosystem designed for mass onboarding</div>



Genome is an interoperable Layer-2 Superchain supported by rollup and omnichain smart contracts. It enables asynchronous cross-chain operations and facilitates value transfers based on reliable gameplay data.



Core Smart Contracts	Manages logic on the Genome blockchain to execute omnichain value transfers and processes game results via API and execution messages.
Genome Cross-Chain Messaging (CCM)	Feeds data from a dedicated agent network, facilitating communication with all external blockchains.
L2 Blockchain	Connects with any blockchain ecosystem—EVM or non-EVM—through Genome CCM, leveraging proof-of-stake agents and immutable smart contracts for efficient operations.
L1 Orchestration Layer	Entangle Blockchain. Ethermint-based BFT Layer 1 provides security for writing blockchain states and data storage.
Endpoints	Smart contracts on each blockchain function as communication hubs, allowing seamless data flow across chains.
Agent Network	A specialized network of lightweight nodes that drives transactions and data exchanges across all chains, enabling seamless interoperability.
Kode SDK	The Kode SDK integrates Genome’s competitive framework with GameFAI capabilities, enabling developers to deploy AI tools for predictive analytics, dynamic tournaments, and enhanced player engagement.
Edge Client	Modular client powering any interface with Genome. Developers can customize components and integrate competition directly into their game or platform.



SUPERCHARGE

GAMES
DAUS
REVENUE

Kode is a universal SDK that empowers games with instant, programmable competition, connecting seamlessly to a global ecosystem of users and liquidity via simple API integration. With full chain and account abstraction, developers gain access to critical tools to boost engagement and drive revenue.

Genome’s Kode API is game-agnostic, supporting all gameplay formats-from single-player to score-based challenges. Through WebSocket integration, Kode processes game results, executes payouts, and distributes revenue across any chain.

Fully modular and flexible, Kode enables developers to mix and match components, tailoring competitive environments to fit their games perfectly. Native asset transfers, like tokens and NFTs, occur seamlessly across networks without wrapping, enabling true interoperability across all chains.

Plug & Play Modules

Tournaments	Allow players to compete or host tournaments with customizable parameters and automated prize pool distribution.
Challenges	Players can initiate instant challenges, matching with opponents across any preferred stake or format.
Predictions	Viewer speculation based on in-game results and gameplay with live streaming.

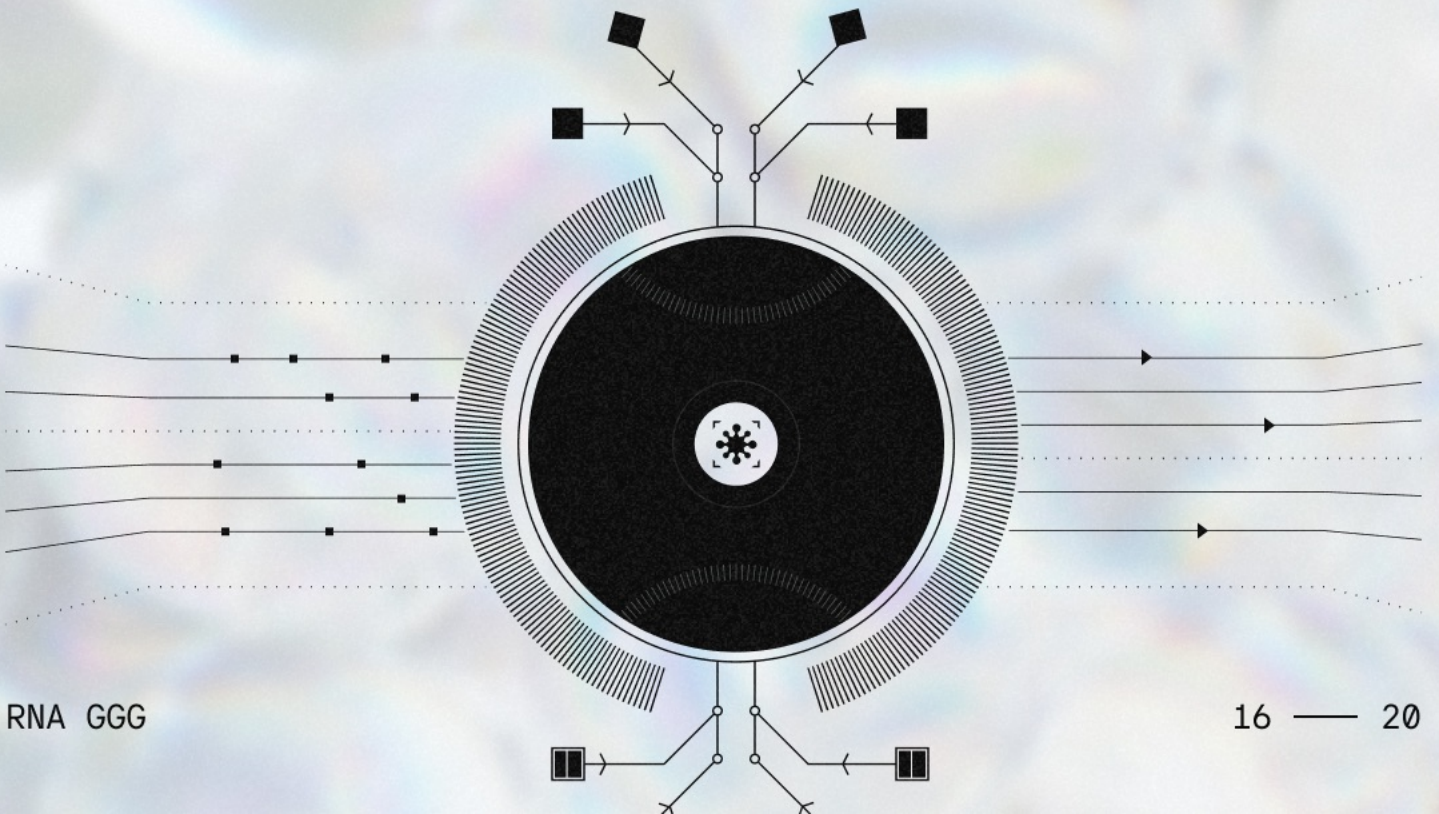


READY TO ENGAGE

Edge is Genome’s modular, white-label-ready platform, enabling dynamic competition through tools like tournaments, AI agents, and gamified progression. Players can track their progress, complete objectives, and earn rewards seamlessly, driving engagement and retention. Edge enables games to integrate advanced agentic tools, allowing players and AI agents to compete, predict outcomes, and interact seamlessly within a unified interface.

With Edge’s account abstraction via ‘Privy,’ onboarding becomes frictionless, creating EVM and SOL wallets instantly for each Genome user and removing a large barrier of entry that typical blockchain games face.

Edge also empowers developers with advanced live streaming features, delivering real-time engagement between viewers and players. This combination of modularity, seamless onboarding, and live streaming enables dynamic, fully engaged ecosystems that evolve and improve with player activity.





SPLICE UNLOCKING INFOFI WITH REAL-TIME ENGAGEMENT ANALYTICS

Splice is Genome’s behavioral intelligence layer, a core pillar of InfoFi, tracking and scoring user engagement across campaigns, platforms, and chains.

Unlike traditional analytics tools that focus on wallet-level actions, Splice measures true participation: clicks, plays, returns, drop-offs, and social behaviors.



THIS DATA POWERS THE EDGE SCORE

A persistent engagement metric used across campaigns, games, and apps. Projects use Edge Score to evolve campaigns, segment users, and allocate airdrops more intelligently. In the future, Splice will support:

UID systems for reputation scoring	Behavioral airdrop targeting
Campaign evolution driven by real-time feedback	Cross-dApp user insights

Splice makes Genome not just reactive, but predictive. Turning engagement into a dataset, and that dataset into a strategic asset.



INTELIGANT

THE AI-POWERED GTM ENGINE AND AGENTIC PLAYGROUND

Inteligant serves as both a go-to-market (GTM) surface and a deep data loop for Genome’s ecosystem. It brings Genome’s agentic AI layer to life, publicly and programmatically. Users engage in AI-driven prediction games (starting with poker) and eventually, agent-vs-agent battles, agent based farming, playing and interacting.

This creates:

Shareable, viral campaigns	Predictive engagement loops
Community-trained AI agents Inteligent’s front-end is designed to capture attention.	Real usage for AI Agents

But behind the scenes, it also generates high-fidelity behavior data, feeding directly into Splice for campaign optimization.

Advisors, KOLs, and users train their agents, earn POAPs, and climb ranks in evolving agent ecosystems, turning AI into an entertainment layer and a marketing flywheel.

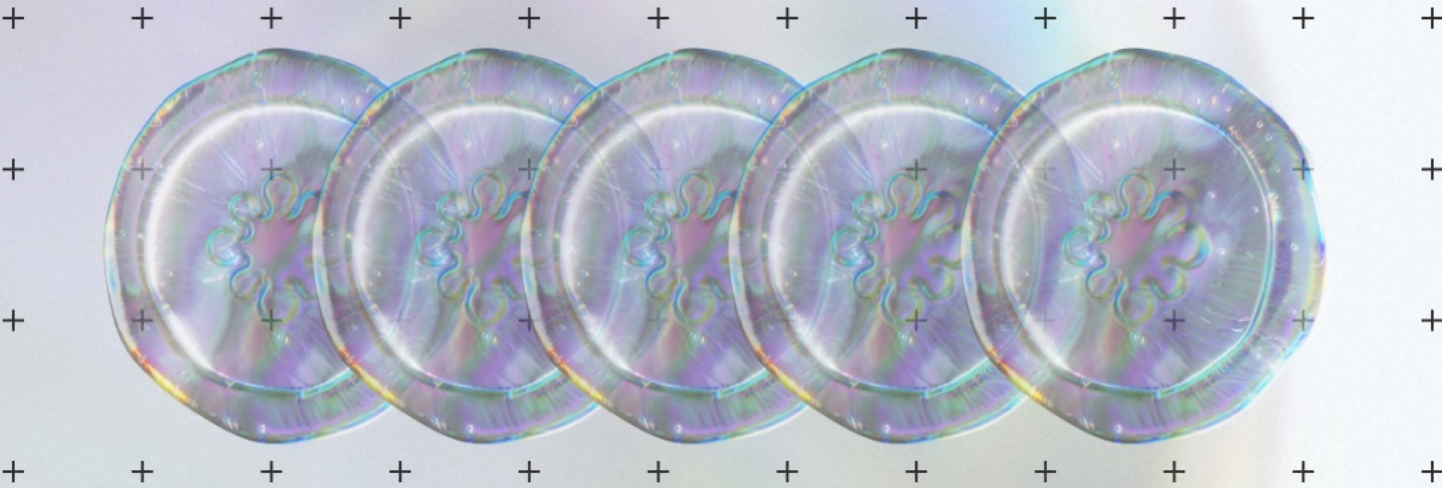
Inteligant is not just where AI fights, it’s where your growth strategy learns.



ONE UNIVERSE POWERED BY \$NOME

The NOME token plays a foundational role in the Genome ecosystem and powers GameFAI interactions enabling players to deploy, train and monetize AI agents while supporting competitive engagement and governance within Genome’s ecosystem.

Omnichain Competitive Medium	Compatible across all virtual machines, NOME enables frictionless competition from any network, fostering a truly interconnected gaming ecosystem.
Volume and intelligence Driven Value Cycle	Boosting user engagement through incentive-based participation structures that rewards meaningful participation in meaningful ways.
Rewards From Real Yield	NOME generates fees from high-stakes activities and a well designed ecosystem infrastructure. Flexible fee structures support any game asset across all blockchains.
Governance	Splice and Inteligant influence token flows by measuring real engagement and optimizing reward systems in real time, linking campaign spend directly to user value creation.





STAY CONNECTED FIND YOUR EDGE POWER YOUR PLAY

With its infinitely scalable architecture — anchored by a Layer 2 solution and a versatile toolkit — Genome redefines engagement as a liquid asset, enabling its capture, refinement, and equitable distribution within a dynamic system.

By combining abstraction and programmable competition, Genome unifies previously isolated gaming ecosystems, supercharging user engagement and revenue potential across Web2 and Web3 games alike.

More than just an evolution; this is the next era of Web3 where economic opportunity and community-driven value creation redefine what's possible.

Welcome to the next era of engagement: Genome is not just redefining gaming. It's creating a new blueprint for Web3 growth, one where campaigns adapt, rewards align with real behavior, and AI transforms engagement into strategy. With Edge, Splice, and Inteligant, Genome is building the foundation for intelligent, scalable, and gamified growth across all ecosystems.

Genome is the growth layer Web3 has been missing, one that works across games, DeFi, and infrastructure dApps. With Edge, Splice, and Inteligant, teams can finally run intelligent, modular campaigns and scale engagement with every user interaction. It's not just gaming that's changing, it's growth itself.

Visit us on the [Genome.com](#) [↗]

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