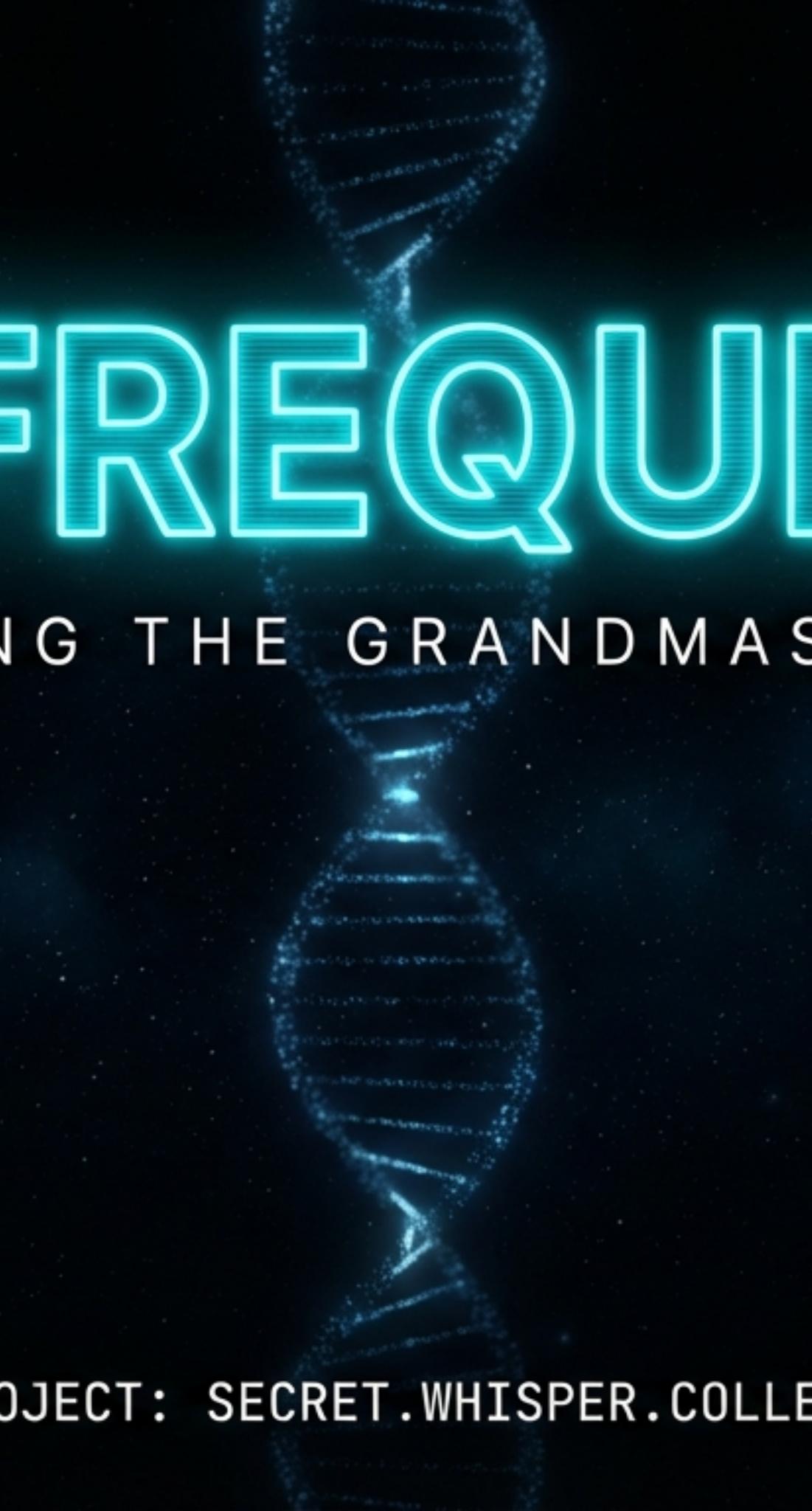


# THE FREQUENCY

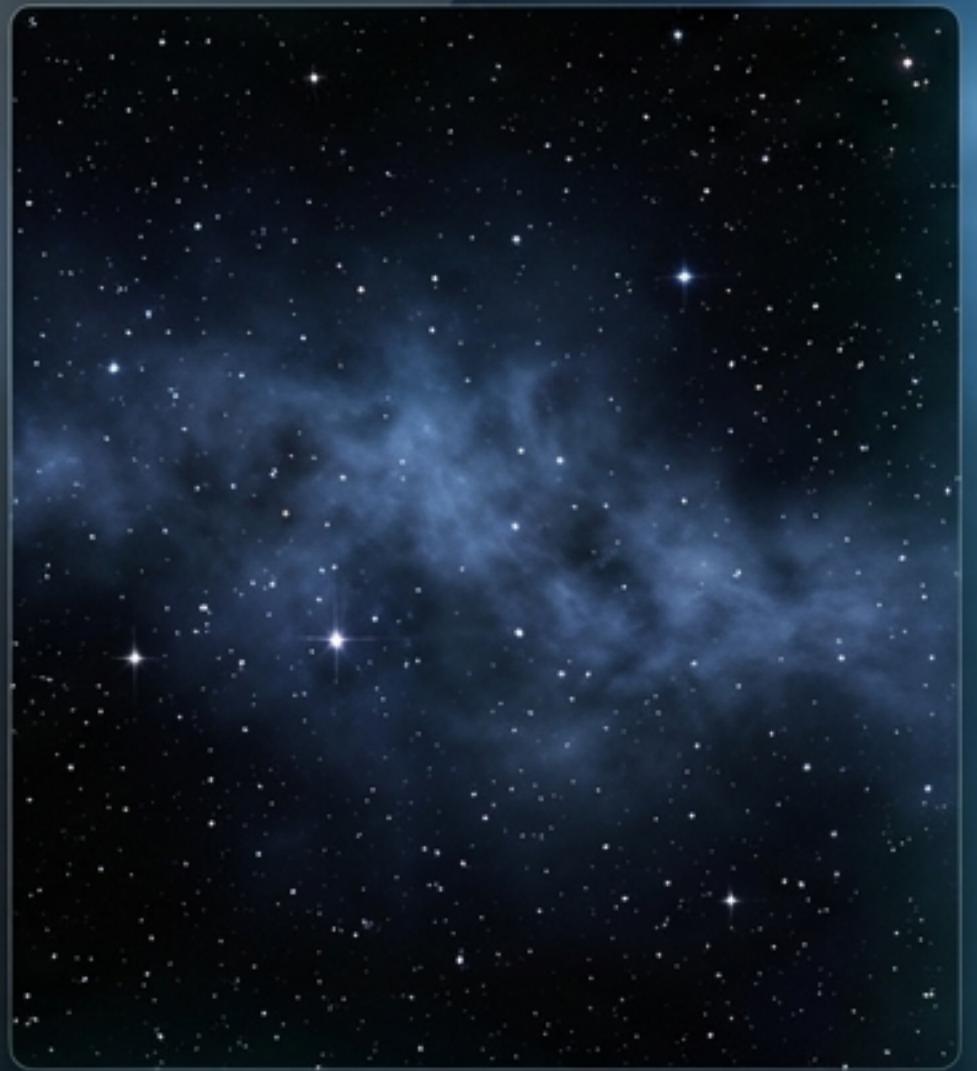


VISUALIZING THE GRANDMASTER HELIX

PROJECT: SECRET.WHISPER.COLLEGE

# DEFINING THE REALISTIC SCI-FI AESTHETIC

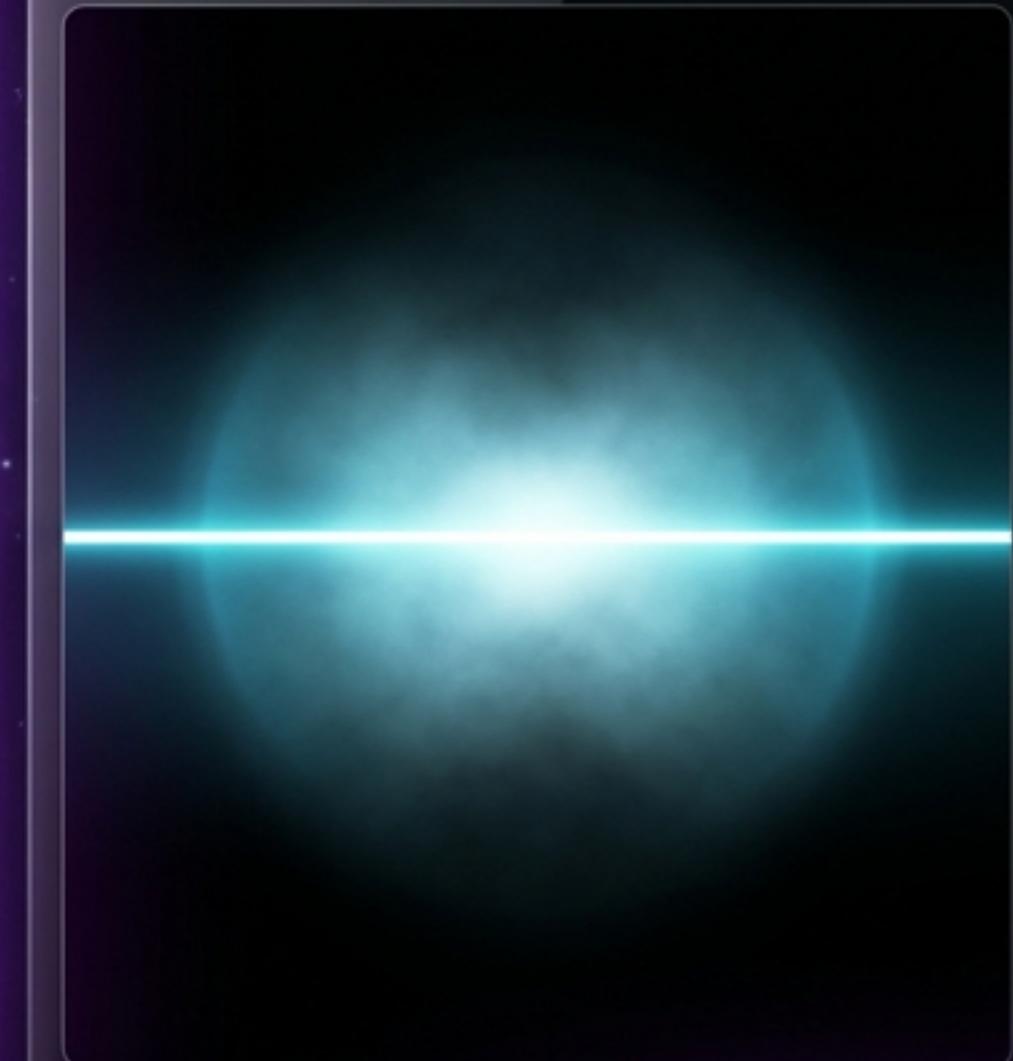
## THE ATMOSPHERE



## THE MATERIALS



## THE LIGHT



**THE MANTRA: IF IT DOESN'T LOOK LIKE A HIGH-END SCI-FI INTERFACE, IT'S NOT DONE.**

# A SINGULAR REALITY ACROSS DUAL PORTALS

**MACRO PORTAL  
(DESKTOP)**



**MICRO PORTAL  
(MOBILE)**



SHARED DNA /  
CODEBASE



Rajdhani SemiBold

The Grandmaster Helix is not just a responsive website; it is a dual-reality interface. The code is the DNA, the design is the body.

# THE MACRO PORTAL: THE VORTEX ENTRY



Frame 1 (0-5s): Silence  
Rajdhani SemiBold



Frame 2 (5-10s): Ascension  
Rajdhani SemiBold

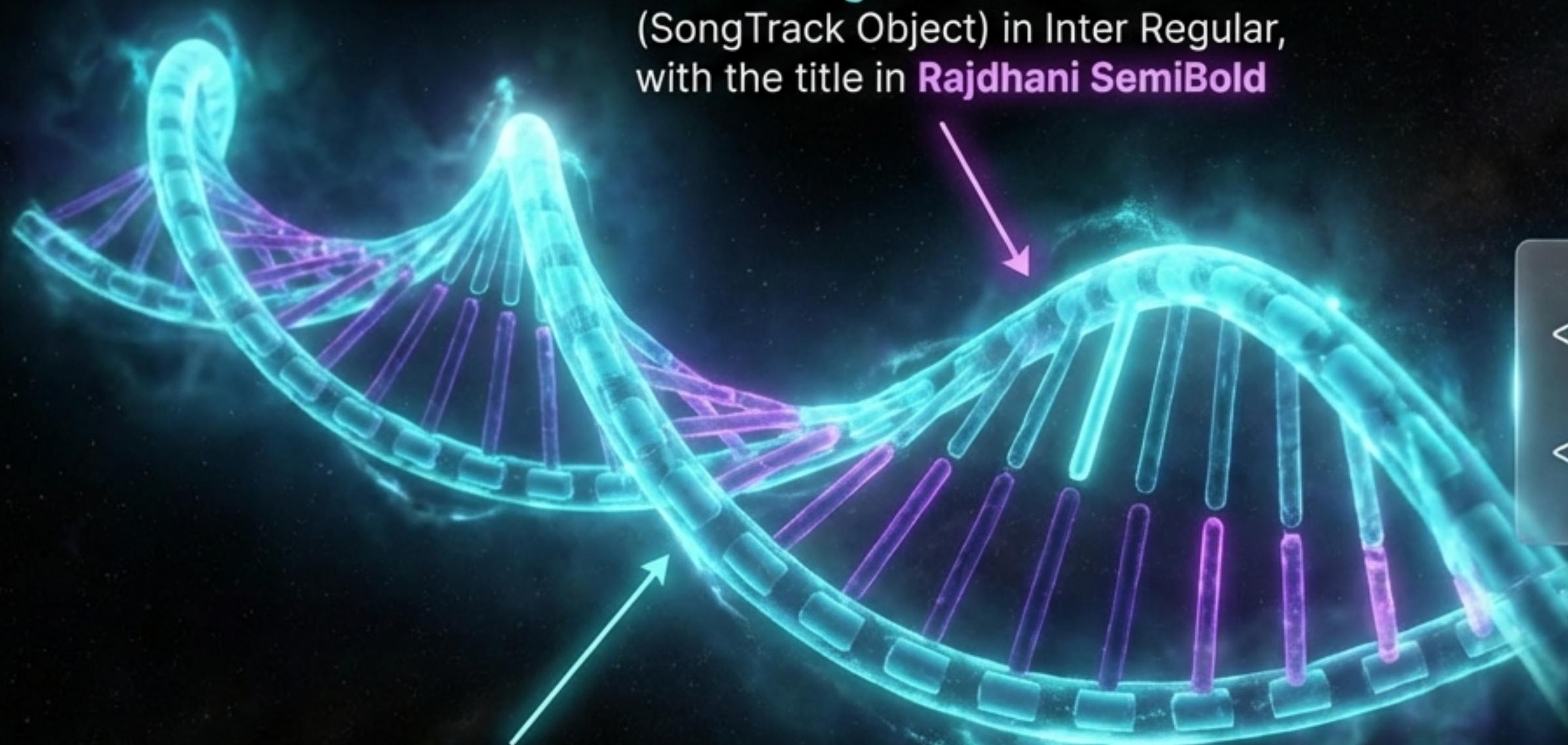


Frame 3 (10-15s): The Vortex  
Rajdhani SemiBold

Silence

The Vortex

# CONSTRUCTING THE 3D HELIX



## The Rung: Interactive Mesh

(SongTrack Object) in Inter Regular,  
with the title in **Rajdhani SemiBold**



**The Strand:** Sine-Wave Math  
(X, Y, Z coordinates) in Inter Regular,  
the title in **Rajdhani SemiBold**



**The Atmosphere:** Volumetric  
Fog & Bloom in Inter Regular,  
the title in **Rajdhani SemiBold**



<Canvas>

<Helix rungs={playlist} />

</Canvas>

# DESKTOP INTERACTION: THE INFINITE CANVAS

## Drag-and-Drop Mechanics

Users slot their own tracks directly into the living DNA strand. Top slot triggers immediate playback.



# THE MICRO PORTAL: TACTILE FIDELITY



Long Press



The Beacon  
(Idle)

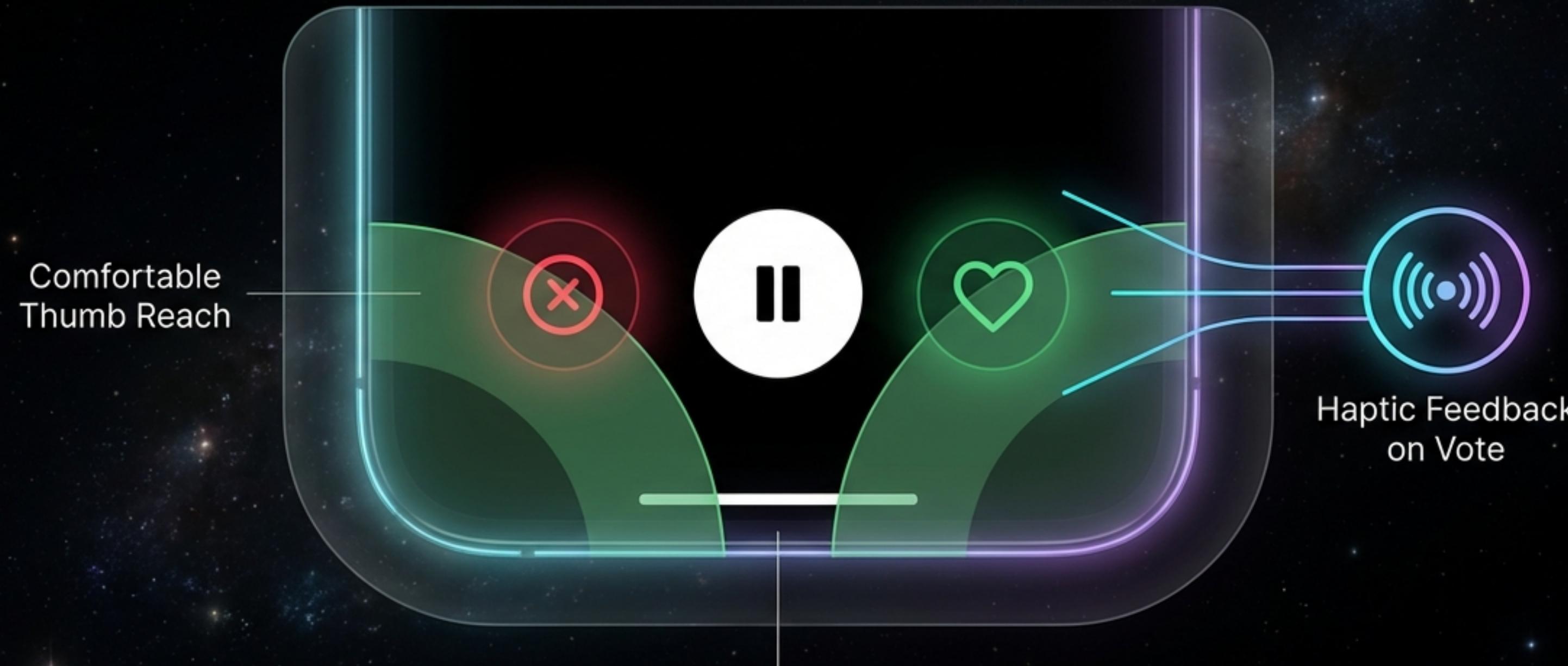


The Trigger  
(2s Hold)



The Reveal  
(Active)

# THUMB-ZONE OPTIMIZATION & HAPTICS



Physics-based spin replacing scroll.  
Inputs mapped to natural hand position.

# VISUALIZING DATA AS BIOLOGICAL TEXTURE

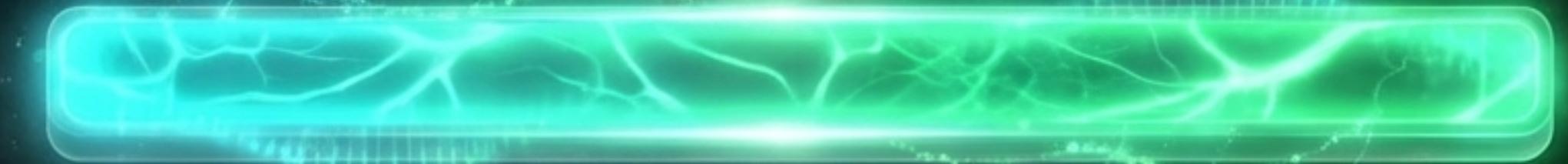
**Neutral**

New Song (Net Score 0)



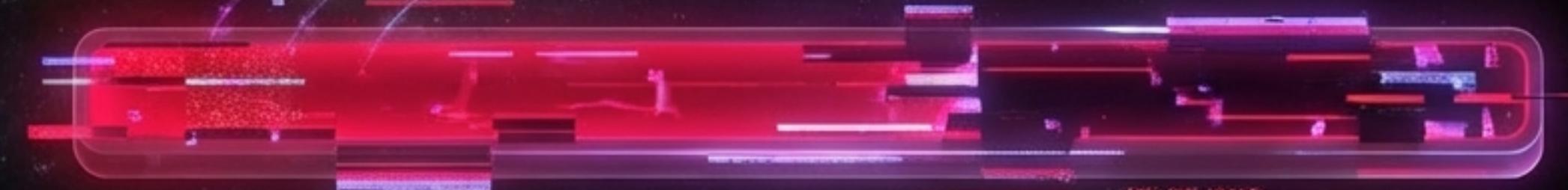
**Health**

Accepted (+Likes)



**Decay**

Rejected (-Dislikes)



# THE GOLDEN IMMORTAL GLOW

## THE ACCEPT MECHANIC

- **Threshold:** +10 Net Score.
- **Visual Payoff:** Permanent Gold Emissive Material.
- **Status:** Capped & Immortal.



# VISUALIZING DIGITAL DECAY



## THE REJECT MECHANIC

- **Threshold:** -10 Net Score.
- **Visual Payoff:** Glitch Shaders & Mesh Fragmentation.
- **Status:** Permanently Pruned from DNA.

# THE UNIFYING PULSE: GLOBAL SYNCHRONIZATION

The Helix twists in time for everyone.  
One Server State. Zero Latency.

GLOBAL STATUS:  
SYNC ACTIVE

Socket.io Real-Time Event

# THE INTERRUPT PROTOCOL

INTERRUPT TRIGGERED.  
SONG REJECTED BY CONSENSUS.

Initiating emergency track selection sequence.

Reward

KILLER'S CHOICE: SELECT NEXT TRACK (10s WINDOW)

NEON PULSE  
// SYNTHCORE DYNAMICS

STELLAR FADE  
// VOIDWALKER

CYBERNETIC GROOVE  
// DATAFLOW

VOID ANTHEM  
// ABYSSAL BEATS

- If a song hits the reject threshold mid-play, it fades out. The '**Killer**' (**last voter**) is granted a **10-second window** to choose the next track. This gamifies the playlist curation, empowering active participants.

# THE SKELETON: ARCHITECTURE & TECH STACK

## FRONTEND

React + Vite + TypeScript

React Three Fiber (R3F) Core

@react-three/postprocessing (Bloom)

Framer Motion (Transitions)

## BACKEND & AUDIO

Node.js (Fastify)

Socket.io (Global Sync)

Spotify Web Playback SDK

PostgreSQL (Song DNA Persistence)

# THE SECRET AWAITS



FROM STATIC LISTS TO A LIVING, BREATHING DIGITAL ORGANISM.

[secret.whisper.college](http://secret.whisper.college)

> console.log('You Found the secret.');

NotebookLM