

REWIND

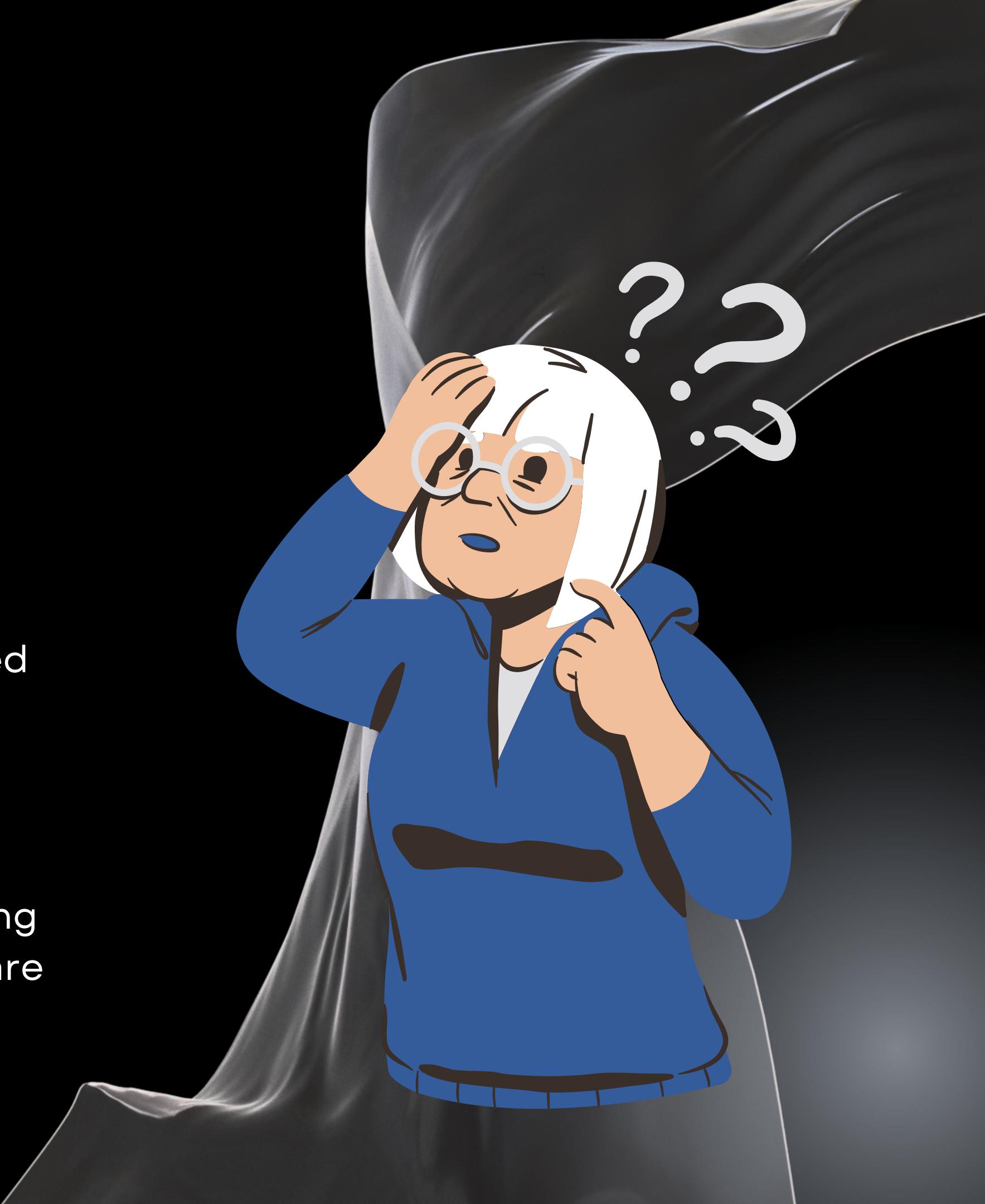
A JOURNEY THROUGH MEMORIES,
ONE MOMENT AT A TIME.



THE CHALLENGE OF MEMORY LOSS

- Memory loss affects over 55 million people, primarily those with dementia
 - Dementia is the 7th leading cause of death worldwide
- Emotional distress is caused by the inability to recall important life moments or recognize loved ones
- The global dementia care market was valued at \$818 billion in 2021
- According to WHO, over 139 million people are projected to live with dementia by 2050, creating demand for tech-based solutions in memory care

Citation: WHO, “The Global Impact of Dementia: 2022 Update,” National Center for Biotechnology Information, [PMC8743938] (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8743938/>), 2022.



INTRODUCING REWIND



- Rewind uses AR to help people with dementia revisit important life moments interactively
- Allows storage of memories in video, picture, audio, 3D, and text formats, making them accessible
- Designed for all
 - While built with people with dementia in mind, the app can be used for anyone looking to preserve and revisit moments
 - A clear user interface designed for accessibility

DESIGN

Adaptable

Accessible

Inclusive

Intuitive



The app's design prioritizes accessibility by ensuring an inclusive user experience, with intuitive navigation, adaptable features for various devices, and accessible visual elements tailored for users with cognitive and physical challenges.

FEATURES

- Immersive Experience with AR
 - Rewind offers fully interactive memory timelines, supported by Apple Vision Pro for 360° memory navigation
- New Memory Recall Method
 - Rewind's 3D scene generation from videos offers a novel solution for preserving and reliving memories.
- First of its Kind
 - This combination of AR, AI-powered memory search, and collaborative memory building is a first in the memory care space, especially for dementia patients.
- User Authentication with Clerk





Sign in to Rewind

Welcome back! Please sign in to continue

or

Email address or username [Use phone](#)

(647) 866-6381

Password

.....

[Continue ▶](#)

Don't have an account? [Sign up](#)

Secured by Clerk
Development mode

Clerk is in development mode. Sign up or sign in to continue.

TECHNICAL INNOVATION

3D Scene Generation

Through Gaussian splatting, Rewind offers the ability to convert videos into fully navigable 3D environments.

Apple Vision Pro Integration

Users can experience 3D memories in an immersive, 360° view using Apple Vision Pro.

AI-Powered Search

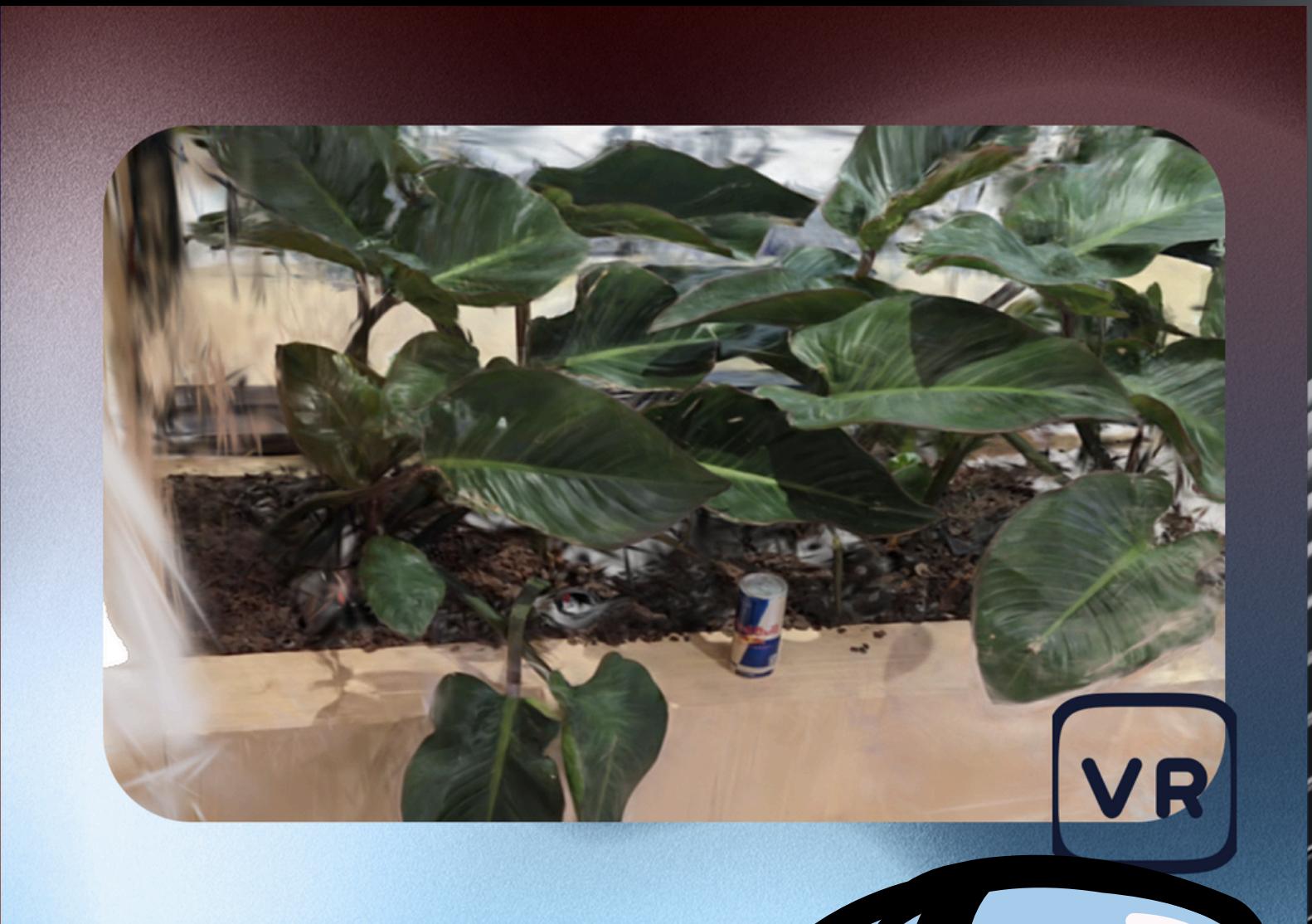
By integrating InterSystems IRIS Vector Search and Langchain, Rewind provides advanced search capabilities for specific memories based on natural language queries.

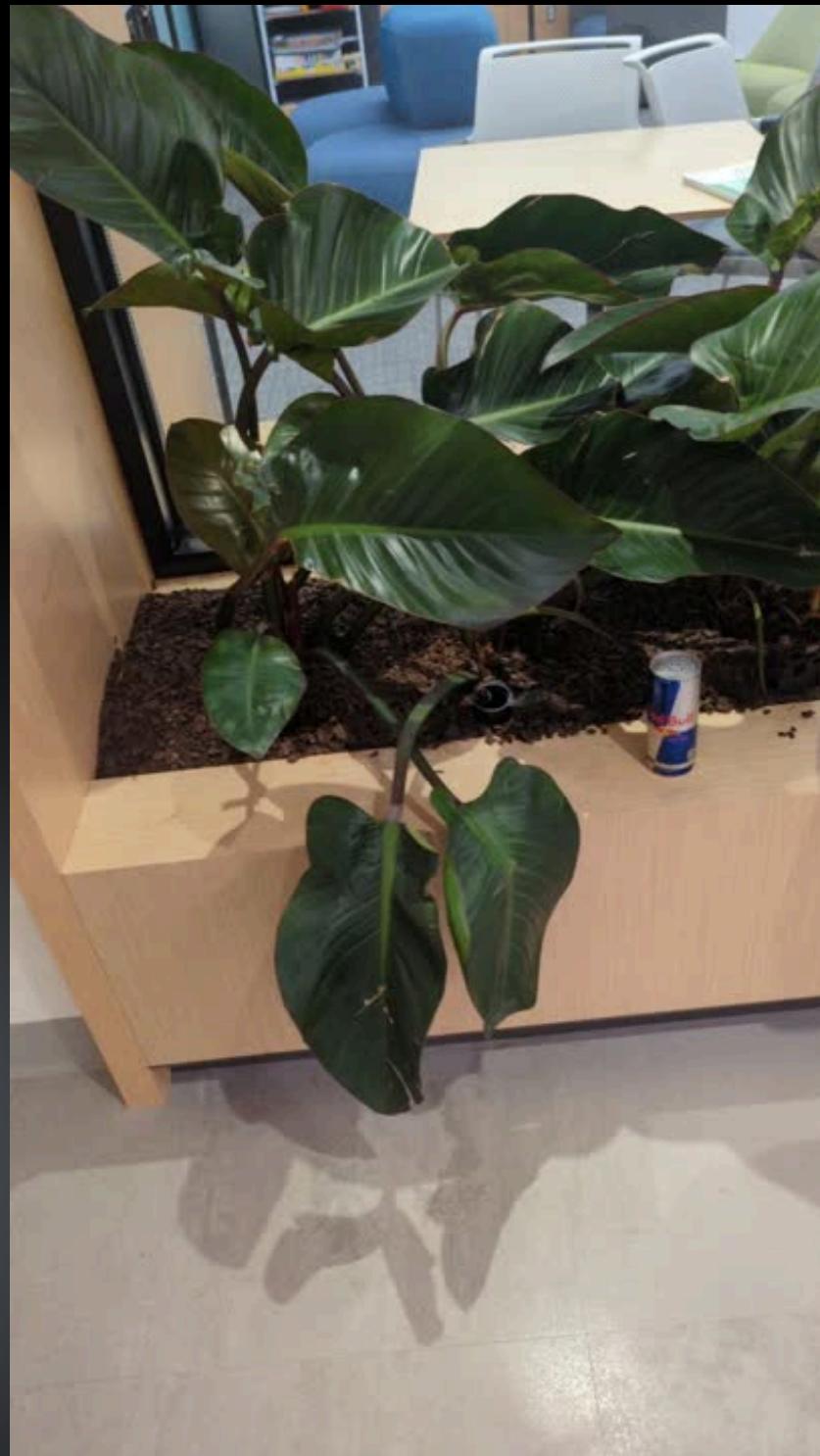
BRINGING MEMORIES TO LIFE

- Users can upload videos, and through Gaussian splatting, Rewind generates interactive 3D scenes available for immersive AR exploration via Apple Vision Pro

Apple Vision Pro - A Deeper Dive

- Immersive Memory Exploration
 - Rewind enables users to walk through their memories in a fully immersive, 3D environment using Apple Vision Pro
- 360° Interaction
 - The Vision Pro allows users to view memories from multiple angles, offering a deeper, more meaningful connection to the past





Video Capture



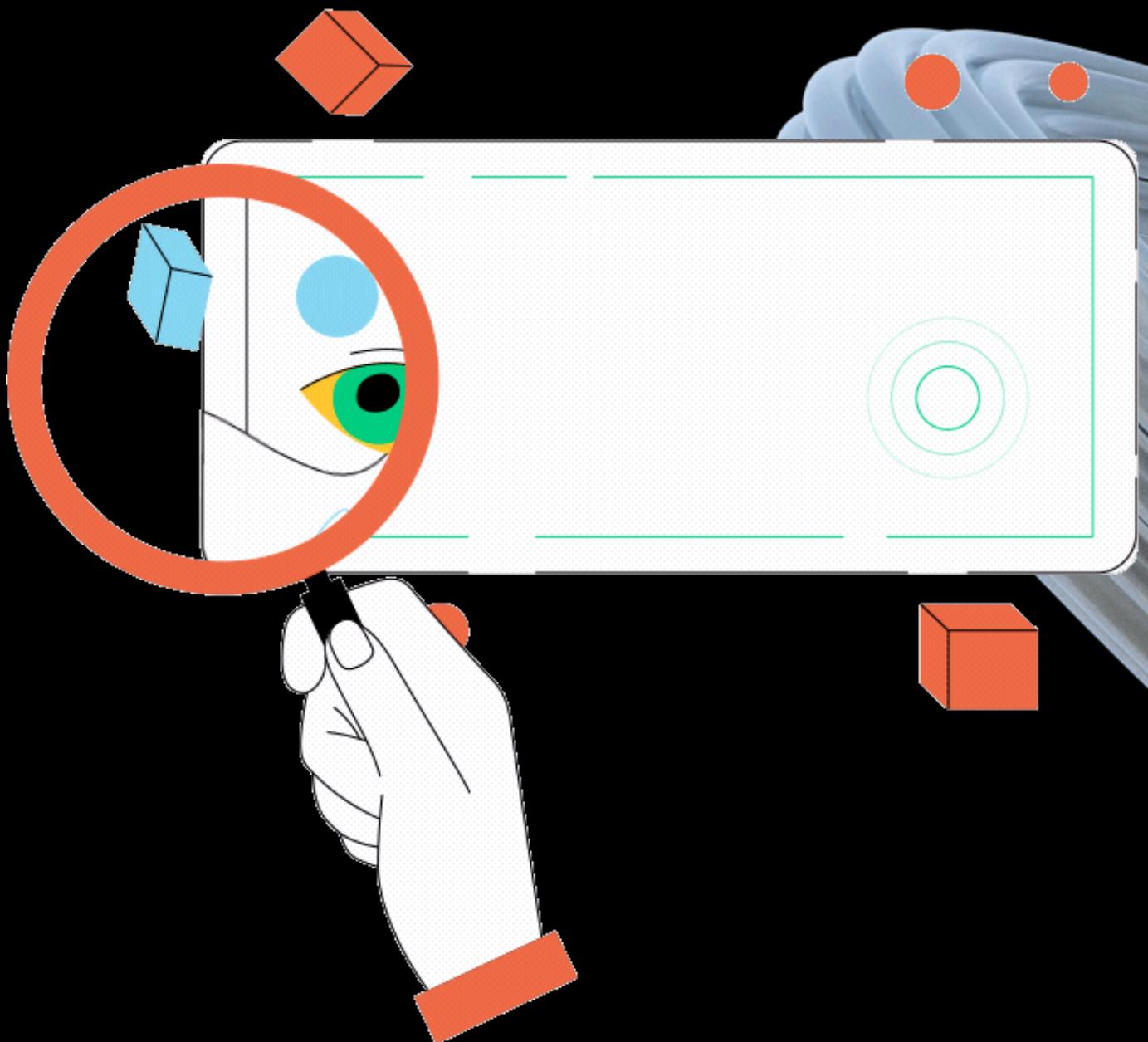
3D Scene Generation



Apple Vision Pro
Immersive Mode

ADVANCE MEMORY SEARCH

- Efficient Memory Retrieval with AI
 - InterSystems IRIS Vector Search allows users to search for memories based on keywords, dates, or people
 - Langchain improves search accuracy by adapting to user behavior and preferences
- Connected, intuitive interface
 - User-friendly timeline navigation and memory browsing
 - Ability to share a user's memory archive, fostering a shared experience



USER-CENTRIC INTERFACE

INTERFACE

The app's interface is designed with simplicity and clarity in mind, ensuring that users of all ages, including those with cognitive impairments, can navigate easily with large, intuitive icons and minimal text for better accessibility.

ORGANIZATION

Memories are organized into a chronological timeline or by event, allowing users to easily browse and revisit past moments. This feature helps reduce confusion and creates a structured and comforting experience for dementia patients.

VISUAL CUE

Icons, images, and colors are integrated to help users associate specific memories or events. These cues are designed to trigger recognition and aid in memory recall, offering a sensory-rich experience that enhances cognitive engagement.



REAL-WORLD IMPACT

- Addressing Dementia and Memory Loss
 - By improving memory recall, Rewind has a direct emotional and cognitive benefit for people with dementia, helping them stay connected to their past
- Impact on Caregivers
 - Rewind provides a structured way for caregivers to help their loved ones relive cherished moments, reducing emotional strain
- Future Potential:
 - The app could be expanded to other cognitive disorders, memory rehabilitation therapies, and wider audiences seeking memory preservation





THANK YOU

REWIND AND RELIVE YOUR
MOST PRECIOUS MEMORIES.

