

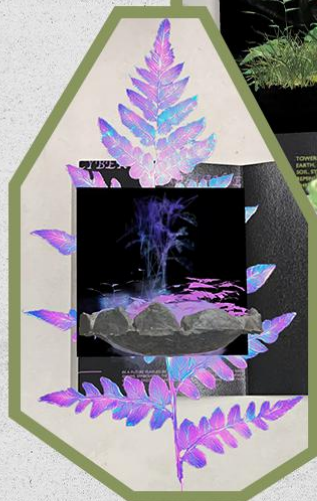
September 15, 2024 at 16:21

Unraveling the threads of fractured time and nature's ephemeral echoes.

WHAT IF TIME
WASN'T
LINEAR? WHAT
IF FERNS
COULD TELL
STORIES OF
THE PAST,
PRESENT, AND
FUTURE?



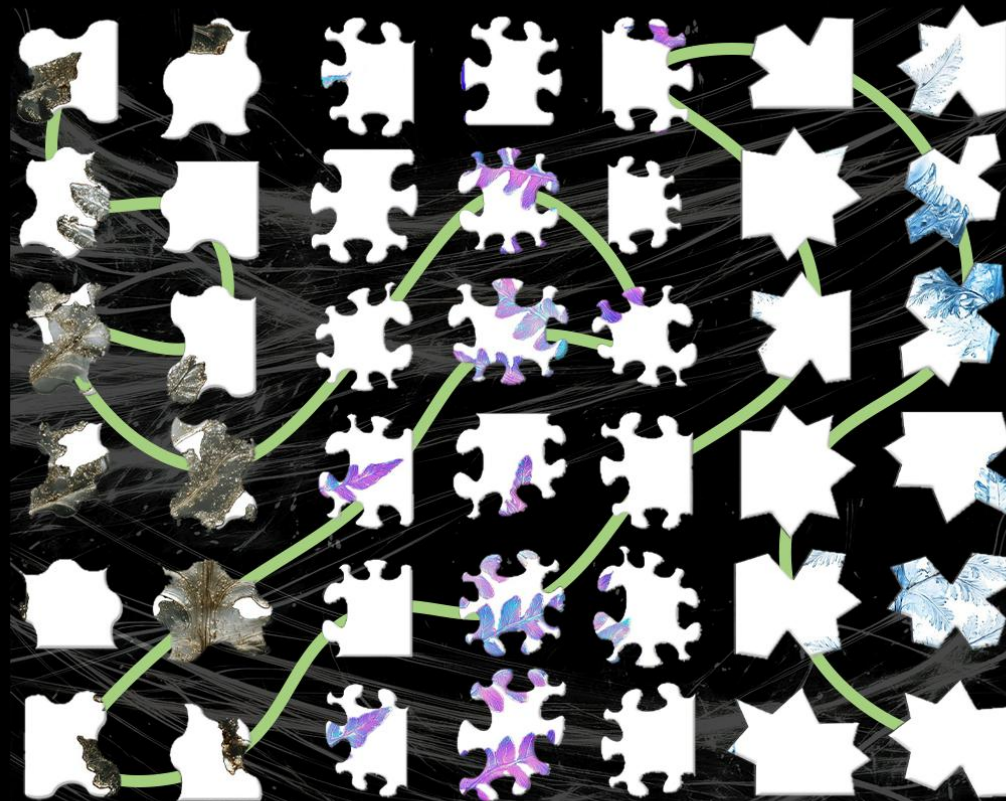
ONE
LEAF,
ONE
STORY,
ONE
FUTURE
AT A
TIME.



TURN
THE
PAGES,
AND LET
YOUR
IMAGI-
NATION
SPROUT

UNNATURAL

CHRONOLOGIES



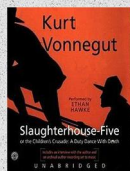
INSPIRATION

In our real world, we can easily understand the concept of linear time. For instance, beginnings always precede endings, and causes always come before effects. This temporal relationship is deeply rooted in our common sense. However, such a linear view of time and causality is vastly different when it comes to four-dimensional beings.

Time Is Nonlinear.

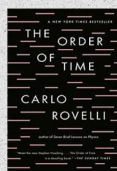
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Book



Slaughterhouse-Five

Billy Pilgrim from *Slaughterhouse-Five* mysteriously becomes unstuck in time and encounters the four-dimensional beings called Tralfamadorians.



The Order Of Time

The book *The Order of Time* and its explanation of the concept of time's fluidity and relativity has also provided inspiration for my work.

Film



Arrival

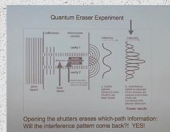
Abbott and Costello, who are four-dimensional beings, perceive time as nonlinear.



Interstellar

Cooper travels through a black hole and finds himself in a four-dimensional maze.

Science



Quantum Eraser Experiment

I came across theories in quantum physics, which to some extent inspired me to create this artwork.

Artwork

"Tree of 40 Fruits" by Sam Van Aken

This is a grafted tree that can bear 40 different kinds of fruits in a single season, symbolizing the intertwining of nature and human intervention, as well as the fusion of time and seasons. The artwork defies the natural order, creating a "superposition" of multiple times, akin to the nonlinear narrative of time.



"Topologies" by Ryoji Ikeda

An installation artwork utilizing data streams, digital textures, and mathematical formulas explores the complex structures of time and space in nature. It reinterprets topological structures and the concept of time, closely connected to the idea of topological unfolding diagrams.



A Source of Inspiration

The reason I chose to do speculative design is that I have observed some instances of pollution in daily life. After learning about these issues, I wanted to use my work to convey the harmful effects of such pollution.



Fern Plants Speculative Design

The disordered changes between plants and their environments: showcasing how a plant's growth is interrupted or distorted. For example, a tree might display forms from different periods under varying environmental factors (such as climate change or human intervention), and these changes cannot be narrated sequentially.



WHY USE A BOOK FORMAT:



WHY

The book format symbolizes time's leap. Each page represents a different possibility of ferns, allowing the viewer to experience time as something non-linear, creating an interactive narrative where each flip transports the viewer to another time point.

WHY USE FERNS:



Ferns are ancient and resilient plants that have remained relatively unchanged, symbolizing the passage of time and environmental shifts. Their long lifespan connects with the idea of enduring through time, reflecting nature's slow but constant transformation.

WHY USE AR EFFECTS:



AR technology bridges the virtual and real worlds, allowing the viewer to interact with ferns and experience time jumps and environmental changes firsthand. It creates a dynamic, immersive experience that enhances the concept of time displacement.

WHY USE SPECULATIVE DESIGN:



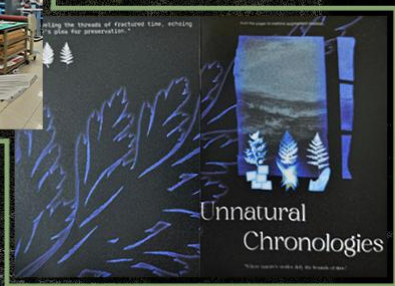
Speculative design allows exploration of "what if" scenarios, sparking imagination and critical thinking about possible futures. By presenting alternative realities, it encourages reflection on current choices, their consequences, and how we might shape a better tomorrow.

PROCESS



1

Book Production



2



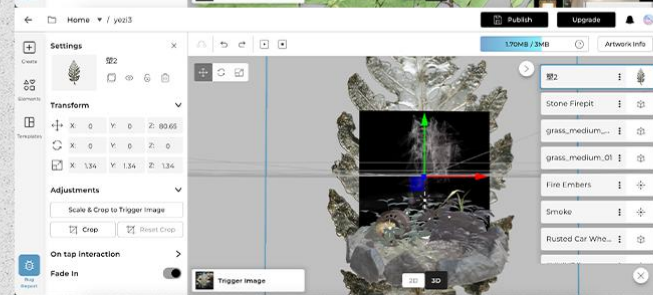
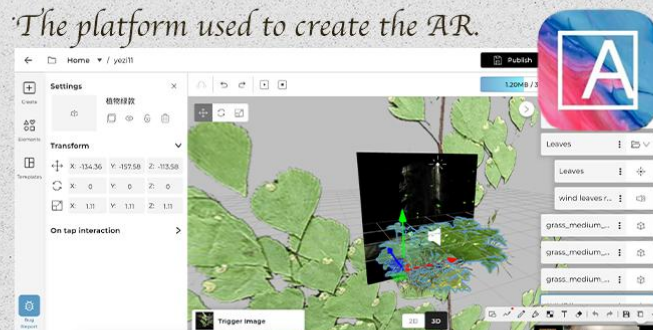
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Botanical Specimen



4

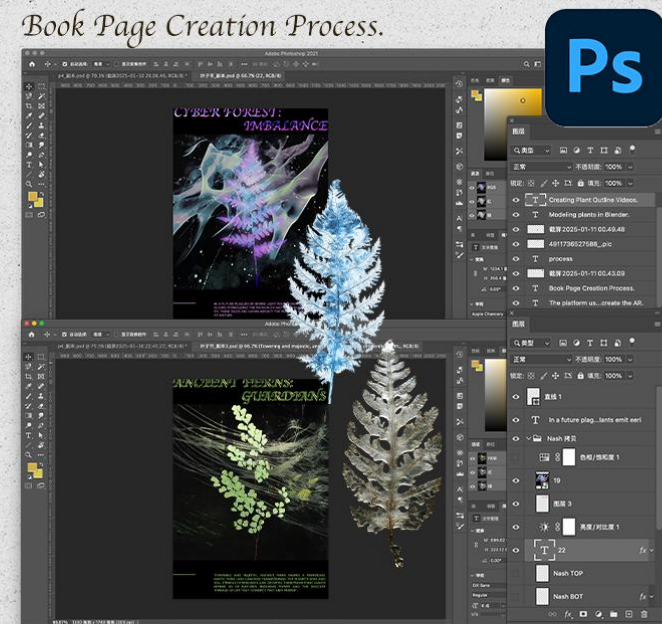
The platform used to create the AR.



Modeling plants in Blender.



Book Page Creation Process.



Creating Plant Outline Videos.



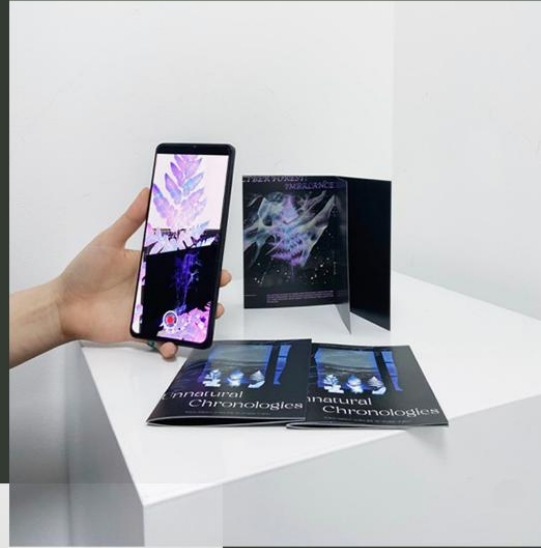
SCAN ME

DOWNLOAD ARTIVIVE TO
EXPERIENCE THE AR EFFECTS.

ICE AGE: FROZEN LIFE



THIS IMAGE DEPICTS A HYPOTHETICAL FUTURE SCENARIO WHERE CLIMATE IMBALANCE PLUNGES PLANTS AND ECOSYSTEMS INTO AN "ICE AGE." THE LEAVES ARE COVERED IN FROST, SHOWCASING LIFE STRUGGLING TO SURVIVE IN EXTREME CONDITIONS.



CYBER FOREST: IMBALANCE



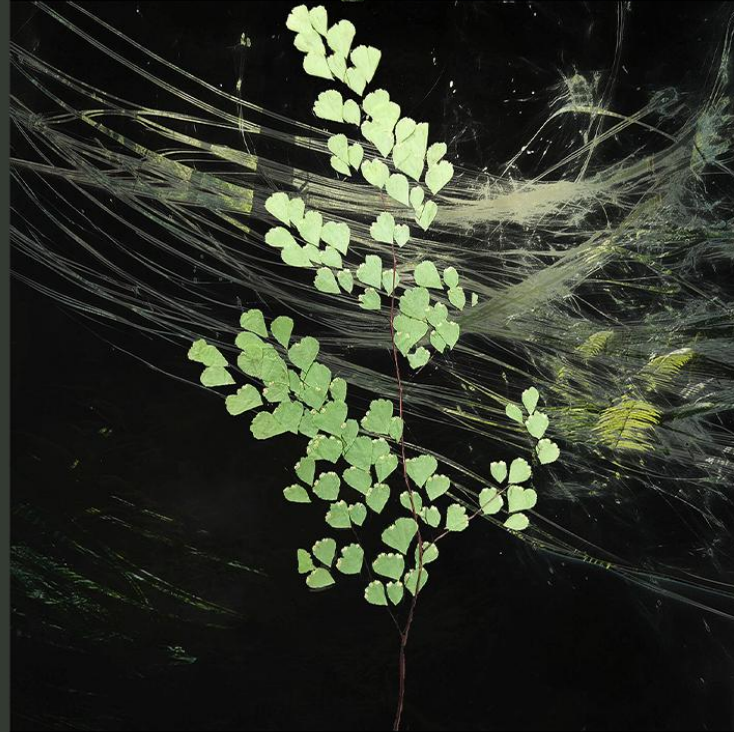
IN A FUTURE PLAGUED BY SEVERE LIGHT POLLUTION, PLANTS EMIT EERIE GLOWS, SYMBOLIZING THE EROSION OF NATURE BY HUMAN TECHNOLOGY. THESE DAZZLING LEAVES REFLECT THE FRAGILITY AND ALIENATION OF NATURE.



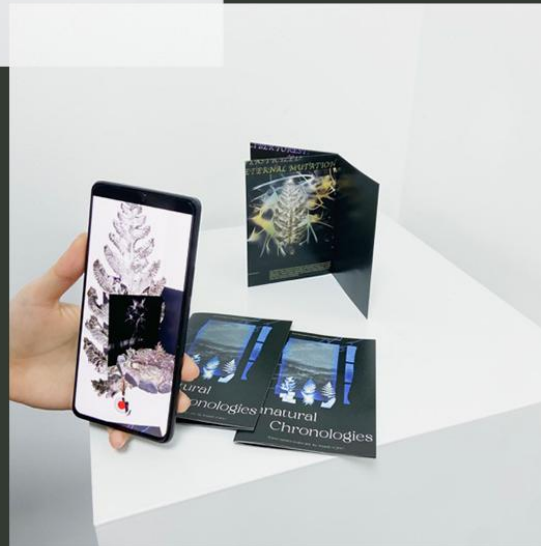
SCAN ME

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ANCIENT FERNS: GUARDIANS



TOWERING AND MAJESTIC, ANCIENT FERNS SHAPED A PRIMORDIAL EARTH, THEIR LUSH CANOPIES TRANSFORMING THE PLANET'S SKIES AND SOIL. SYMBOLS OF RESILIENCE AND GROWTH, THESE PREHISTORIC GIANTS REMIND US OF NATURE'S ENDURING POWER AND THE DELICATE THREADS OF LIFE THAT CONNECT PAST AND PRESENT.



PLASTICIZED: ETERNAL MUTATION



THE PERSISTENCE OF PLASTIC PARALLELS THE LONGEVITY OF FERNS IN AN EERIE WAY. ONE SYMBOLIZES NATURE'S ENDURANCE, WHILE THE OTHER REPRESENTS HUMAN-MADE PERMANENCE. THIS IMAGE SHOWS LEAVES ERODED BY PLASTIC, SYMBOLIZING THE COMPLEX COEXISTENCE OF NATURAL AND SYNTHETIC MATERIALS.

THE FINAL OUTPUT

