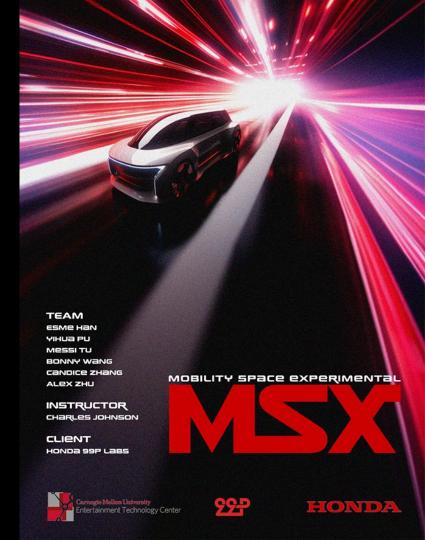
12:30 - 12:50	MSX Final Presentation @3301	Our development journey Concept video screening Documentations
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1:30 - 1:40	Haptic Waves @3306	Sensory driven design through haptics
1:40 - 1:50	Xhaler @3301	Uses breathing as a core mechanic to enhance immersion and interactivity
1:50 - 2:00	Mic Check @3204	Rap battle against Al
2:00 - 2:30	Interactive Story Lab @Cavern	Immersive Display, featuring Screening of film Anamnesis



HONDA 222











Zhu **Producer**

Alex



Pu Game Designer

Yihua



Tu Communication

Messi



Candice **Zhang Tech Artist**



Han **Tech Artist**

Esme



Charles Johnson

Instructor



Honda 99P Labs

Client





Project Briefing

Demo Experience Tutorial

Demo Try-on



Project Briefing

Demo Experience Tutorial

Demo Try-on





"Are we there yet?"







Project Briefing



Research & Ideation





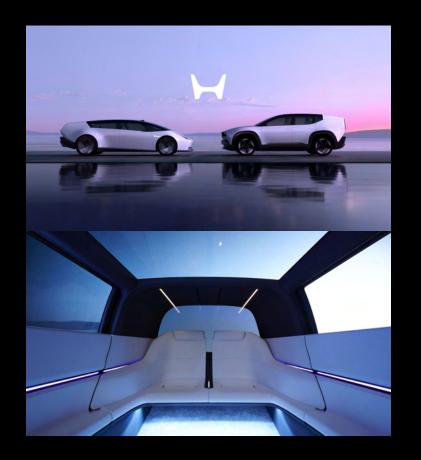
"Imagine and define the future in-car experiences so that a trip is not only from point A to point B."



As you remember...

2nd & 3rd row passengers (8-passenger Honda Vehicle)

2040 in North America
Full Self-driving (L5)





Tech Research





Car

Self-Driving

Seat Layout

Seat Functionalities







Car

Self-Driving

Seat Layout

Seat Functionalities

AR/MR

Wearable

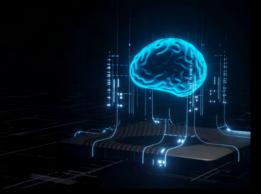
Spatial Computing

Interaction









Car

Self-Driving

Seat Layout

Seat Functionalities

AR/MR

Wearable

Spatial Computing

Interaction

Al

Ownership

AIGC

Customization















User Research





Parent Persona

Web Developer 32 yrs old

5 yrs old daughter / 9 yrs old son / 30 yrs old wife / Himself



Driving Purpose Go To Work 25 mins Pick Up Kids
15 mins

Visit Parents
3 hrs

Road Trip
4-6 hrs

Interests



Audio Book



Video Game



Baseball



Family Travel





Child Persona

9 yrs old

5 yrs old sister / 30 yrs old mother / 32 yrs father / Himself



Riding Scenarios Go To School

15 mins

Park Trip
15 mins

Visit Grandparents

3 hrs

Road Trip

4-6 hrs

Interests



Audio Book



Board Game



Drawing



Dinosaur





Painpoint

1

People want private space

Children can't keep quiet and stay in certain position

People are isolated, family members can't interact

Car ride process waste a lot of time

People interact with outside environment



Painpoint	Opportunities	
People want private space	Utilizing VR to create virtual boundary for people	
Children can't keep quiet and stay in certain position	Entertainments using future technologies	
People are isolated, family members can't interact	Creating collaborative activities suitable for all family members	
Car ride process waste a lot of time	Enabling people have meaningful time spending together	
People interact with outside environment	Finding ways to connect people with moving environment	





Painpoint	Opportunities	Possible Solutions
People want private space	Utilizing VR to create virtual boundary for people	Fully immersive VR
Children can't keep quiet and stay in certain position	Entertainments using future technologies	Novel experience using cars' motions Car Seat Functionalities
People are isolated, family members can't interact	Creating collaborative activities suitable for all family members	Party games that involve multiple players
Car ride process waste a lot of time	Enabling people have meaningful time spending together	Educational game/ creative activities can be developed
People interact with outside environment	Finding ways to connect people with moving environment	MR allows people to explore the space / relate car experience with destination



"A Mixed Reality In-Car Experiences Concept Design for North American Families in 2040"

Featuring an edutainment experience demo during a family road trip to Yellowstone National Park





Core Values

- **□** Family connection
- Spend meaningful time together in car (edutainment)





Core Values

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- Spend meaningful time together in car (edutainment)



Technologies

☐ To show future possibilities (Seat, AR/MR, AIGC)







Core Values

- ☐ Family connection
- Spend meaningful time together in car (edutainment)



Technologies

□ To show future possibilities(Seat, AR/MR, AIGC)



Destination

- Destination related content
- Filled with curiosity and anticipation before arrival





Departure



Arriving













Departure



During the trip



Relaxation

Arriving







Destination - Yellowstone National Park







Destination - Yellowstone National Park





Edutainment Experiences



Geyser Experience

Learn the geographical facts about the Old Faithful Geyser and set off the geyser together



Bison Experience

Learn the animal habits and feed the bison with the right food





Project Briefing



Research & Ideation



But...





"Are we there yet?"



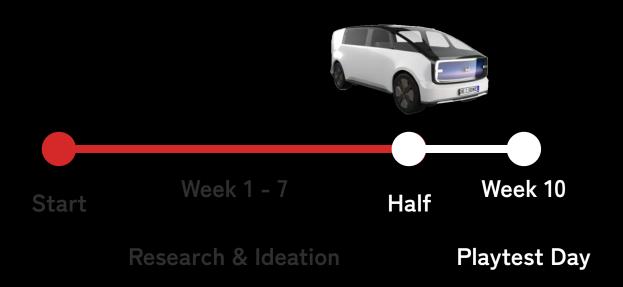
Research & Ideation







Project Briefing





Playtest Environment Setup









Playtest Environment Setup





Playtest Environment Setup







Playtest Environment



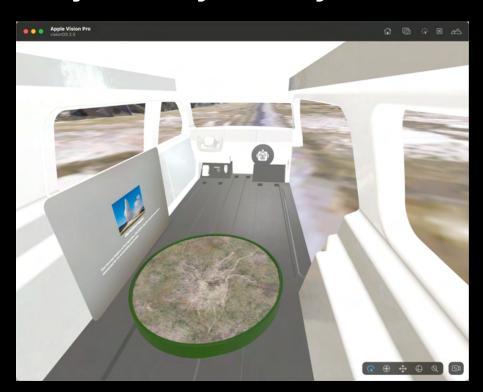
Playtest Environment

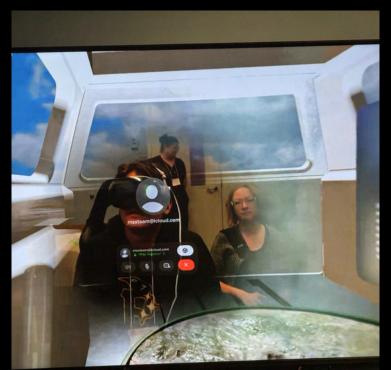






Playtest Day --- Geyser Setoff Experience









Playtest Day (Mar. 29th)







What could be improved:

Our experience needs a better flow pace so that guests can capture all available information shown to them

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- Guidance (tutorial) to set off the geyser would be very helpful for guests to understand what this experience is and what they should do



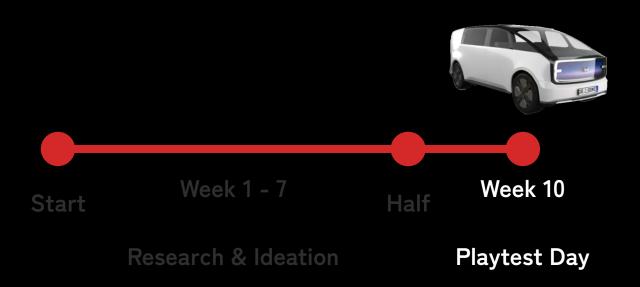
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- Assets refinement and optimization are needed, such as car seats and door, to make the experience feel realistic
- Setting up Apple Vision Pro for guests was very hard. We need to find a way to facilitate all these procedures.



Project Briefing





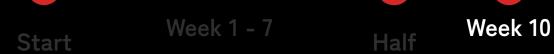
But...



"Are we there yet?"







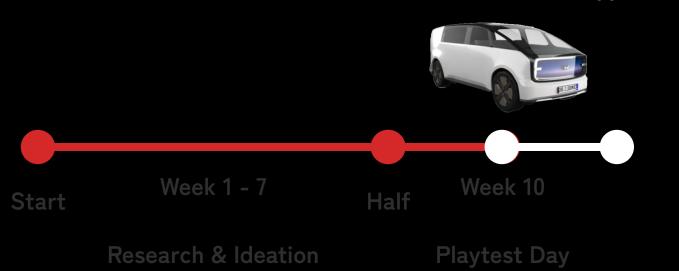
Research & Ideation Playtest Day



Project Briefing

Soft Opening

Week 12







Soft Opening Experiences



Geyser Experience

Learn the geographical facts about the Old Faithful Geyser and set off the geyser together



Bison Experience

Learn the animal habits and feed the bison with the right food





Soft Opening (Apr. 10th)







Soft Opening (Apr. 10th)







Soft Opening (Apr. 10th)







Soft Opening Review

What went well:

- The bison walks closer to the car was magnificent. Players can pet the bison and feel the actual size of it.
- Sitting face-to-face is like the future
- Relevance to players' family road trips

What could be improved:

Too many texts and narrations. It's more like watching a documentary instead of having an interactive experience.

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- The geyser sandbox is too small to capture the feeling of a geyser eruption, which makes it not exciting and not immersive
- ☐ The emergent meaning of tapping fingers does not feel like a geyser eruption trigger
- More social interactions and understandable experience flow



Soft Opening Review --- Bison Experience

What could be improved:

It's difficult to differentiate between the virtual and actual reality during the experience



Soft Opening Review --- Bison Experience

- It's difficult to differentiate between the virtual and actual reality during the experience
- Asset tweakings (e.g., bison floating in the air, car pillar blocking the view, etc.)



Soft Opening Review --- Bison Experience

- It's difficult to differentiate between the virtual and actual reality during the experience
- Asset tweakings(e.g., bison floating in the air, car pillar blocking the view, etc.)
- Leaving space for social interactions



Project Briefing

Soft Opening

Week 12



Start Week 1 - 7 Half Week

Research & Ideation Playtest Day



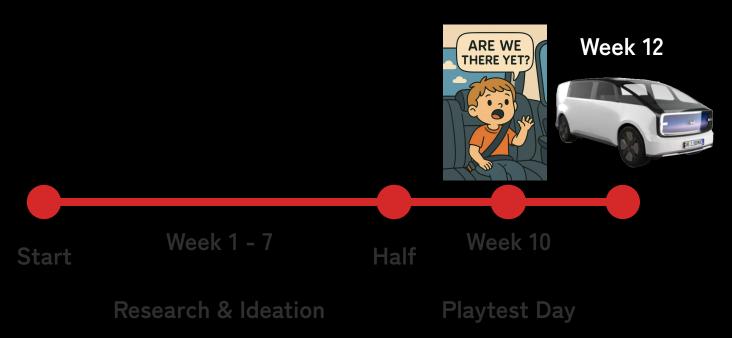
But...





"Are we there yet?"

Soft Opening







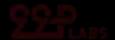
Project Briefing

Soft Opening

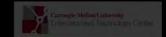




MSX - Honda Experience Concept Video







Development Breakdown



Mimicking the Future





Reality Composer Pro



Two-player game

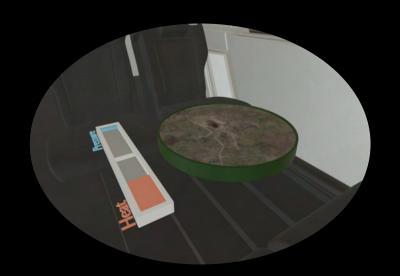








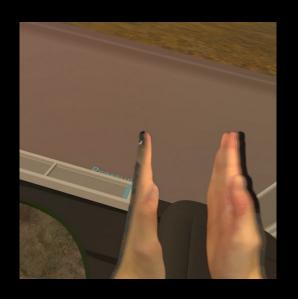
Old Faithful Geyser Experience

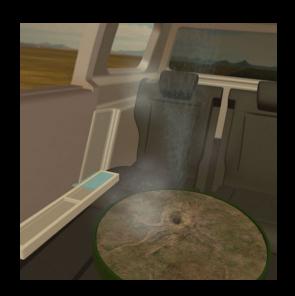






Geyser - Interaction



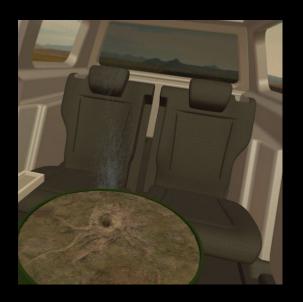






Geyser - Educational Content







Bison Experience







Bison - Educational Content







Bison - Interaction









Art







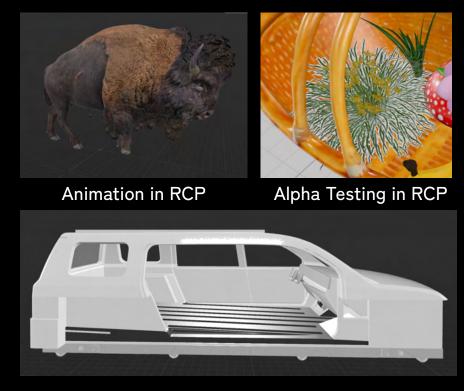
PBR

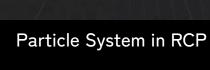
Real Map

Al Generated



Art







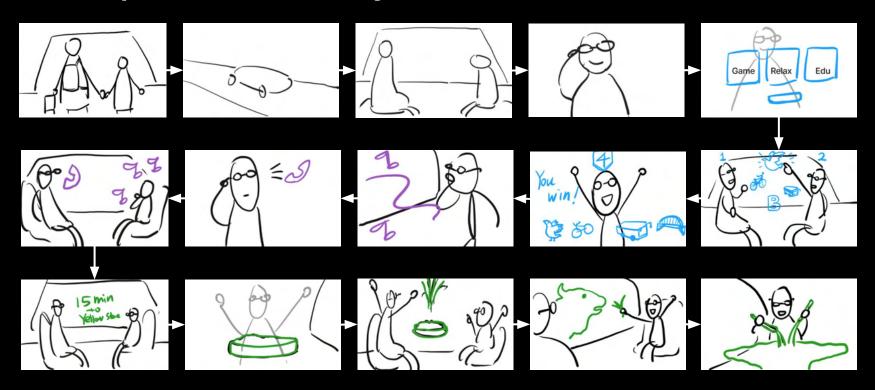
Art
Bison Animation







Concept Video --- Storyboard







Concept Video --- Filming







Concept Video --- Editing







Project Briefing

Soft Opening

Week 12



Start Week 1 - 7 Half Week 10 Final

Research & Ideation Playtest Day Concept Video



But...



"Are we there yet?"









2025 2040













"Futurama" exhibit designed by Norman Bel Geddes









The concept of a network of expressways connecting the nation









An early depiction of automated guided cars









First "Westinghouse Time Capsule"



THE MESSAGE OF DR. THOMAS MANN

WE know now that the idea of the future as a "better world"was a fallacy of the doctrine of progress. The hopes we center on you, citizens of the future, are in no way exaggerated. In broad outline, you will actually resemble us very much as we resemble those who lived a thousand, or five thousand, years ago. Among you too the spirit will fare badly—it should never fare too well on this earth, otherwise men would need it no longer. That optimistic conception of the future is a projection into time of an endeavor which does not belong to the temporal world, the endeavor on the part of man to approximate to his idea of himself, the humanization of man. What we, in this year of Our Lord 1938, understand by the term "culture"-a notion held in small esteem today by certain nations of the western world—is simply this endeavor. What we call the spirit is identical with it, too. Brothers of the future, united with us in the spirit and in this endeavor, we send our greetings.

Jungs Manns.

Thomas Mann [1875], German novelist & essayist; awarded Nobel Prize in literature, 1929. Now living in the United States.

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Tours & Many.

Thomas Mann [1875], German novelist & essayist; awarded Nobel Prize in literature, 1929. Now living in the United States.

"That optimistic conception of the future is a projection into time of an endeavor which does not belong to the temporal world, the endeavor on the part of man to approximate to his idea of himself, the humanization of man."

- Thomas Mann





"a trip is not only from point A to point B."







Finally...





There is an old African proverb.



If you want to go fast, go alone...





If you want to go far...

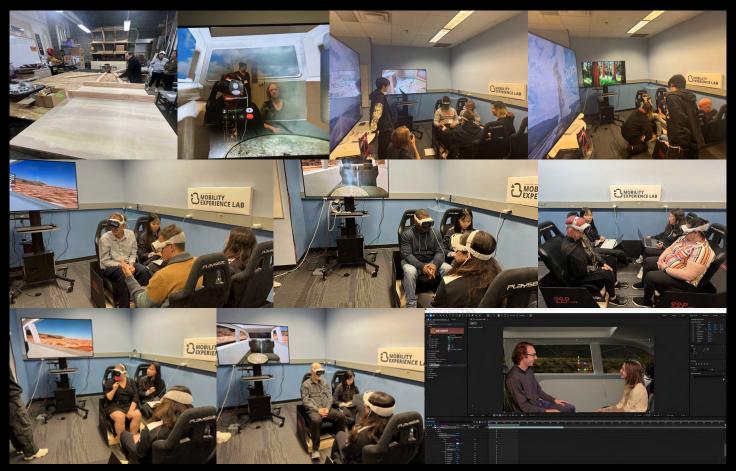


If you want to go far, go together.











Dave Culyba Hazel Culyba Mike Christel Jessica Hammer Estefania Harbuck Brenda Harger Anthony Palyszeski Dave Purta Steve Audia Carl Rosendahl Jesse Schell Jonathan Walton

• • • • •

Thank you.



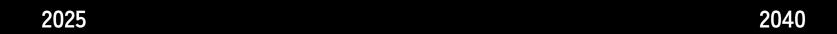
But...







?









"夢"Dream







"It's not about how to achieve your dreams. It's about how to lead your life. If you lead your life the right way, the karma will take care of itself. The dreams will come to you."

- Randy Pausch







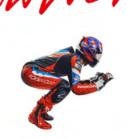
The Power of Dreams How we prove you.













How we move you.

CREATE > TRANSCEND, AUGMENT







HONDA 559



Thank you.



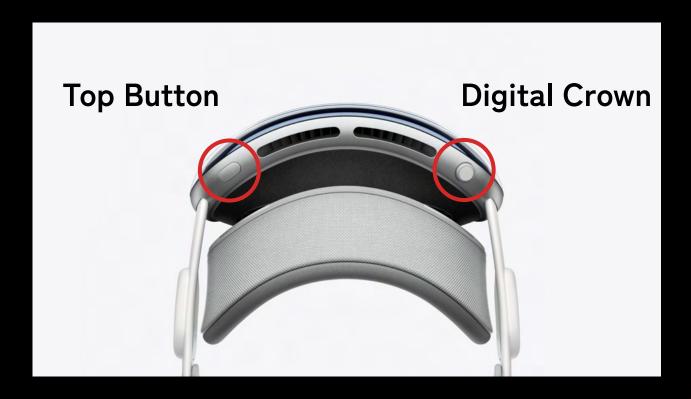
Project Briefing

Demo Experience Tutorial

Demo Try-on



Apple Vision Pro Setup



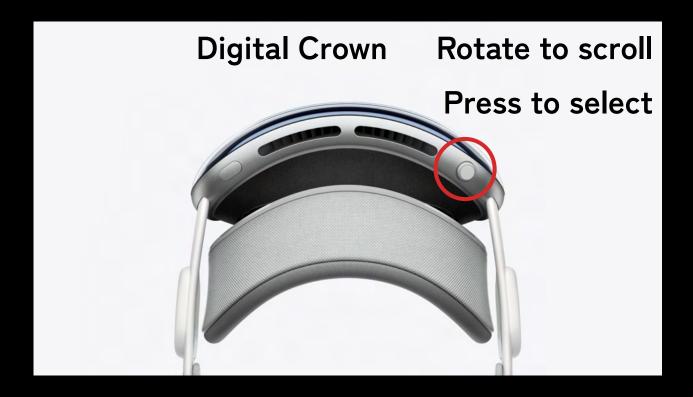
Apple Vision Pro Setup



Step 1: Hands & Eyes Calibration



Step 1: Hands & Eyes Calibration











Double tap

Zoom

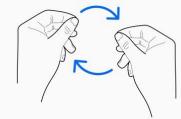


Pinch and hold



Pinch and drag





Rotate



Please take a seat to the future





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