TOWARDS GLANCEABLE ON-DEMAND

AR CONVERSATION VISUALIZATION

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Each bar represents the percentage of time spent on a topic, along with a timestamp marking the end of the conversation block.

2

15:55:07

15:54:07

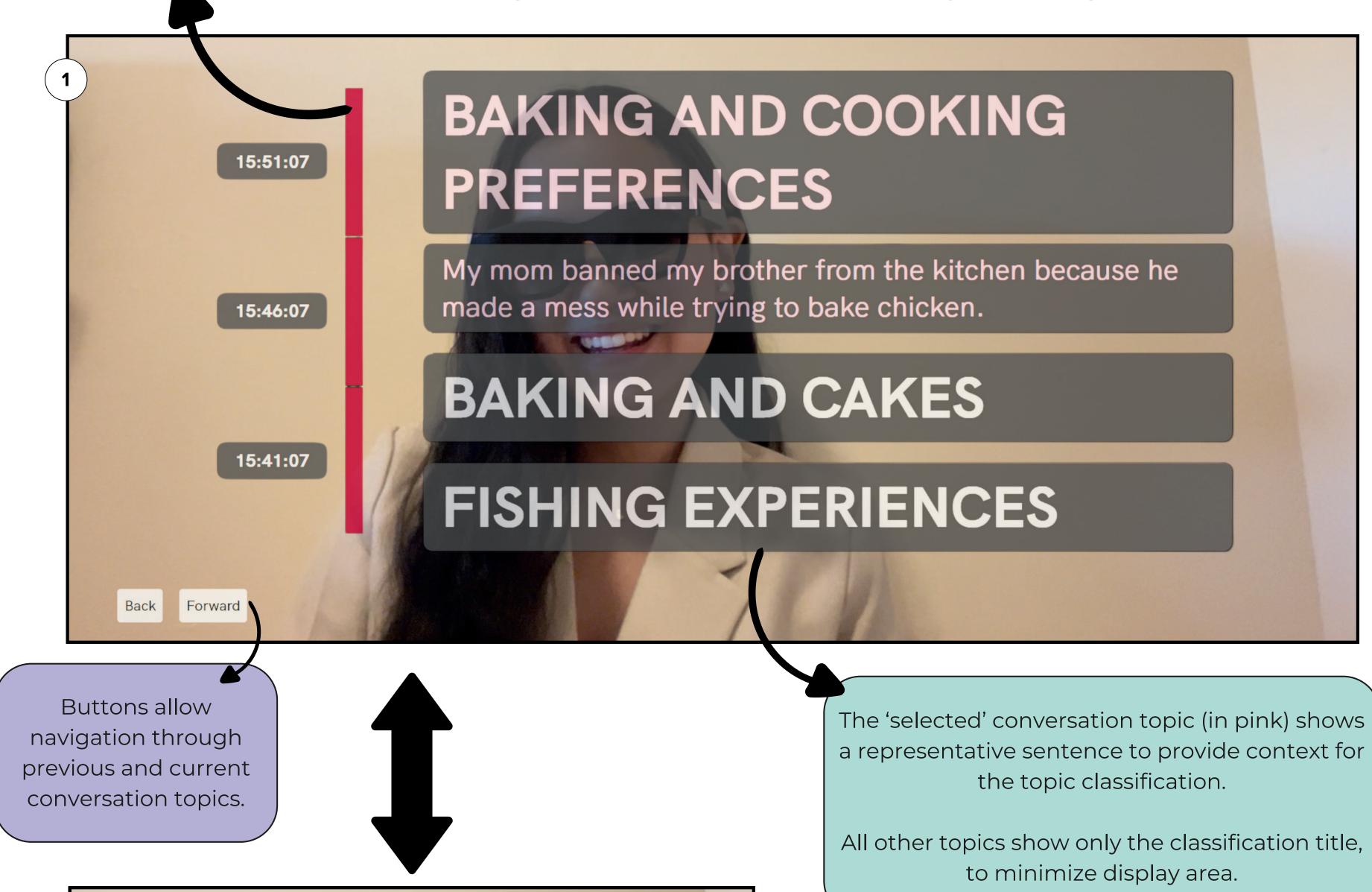
15:53:07

Back Forward

Image Caption: Initial Prototype showing a conversation in 5 minute blocks of time (Glitch, D3, OpenAl Whisper, OpenAl GPT-40). Overlayed over an image to simulate AR view through XReal glasses.



"How did we get here?"



It is a shared experience to lose track of conversation paths, lose your train of thought when speaking to someone, or to struggle to envision the full scope of a conversation.

We aim to visualize glanceable, real-time conversation timelines that can be easily summoned or dismissed, ensuring they don't distract from the conversation itself.

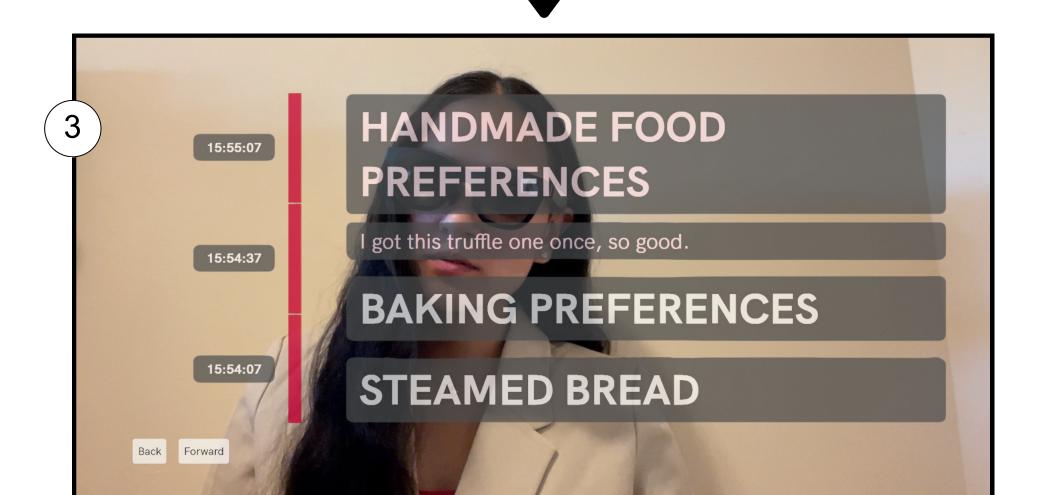
Unique challenges and opportunities are present in developing minimalist AR visualizations that serve to provide conversation support as needed.

FOOD PREFERENCES

We usually just get barbecued pork and we usually get that one too, but um, I don't know I just tried this truffle one once and I've been thinking about it ever since it's so good.

MAKING STEAM BUNS





CONVERSATION

MODES

We visualize multiple levels of conversation to account for a variety of summarization needs. Users may 'zoom in' or 'zoom out' on the selected sentences to view that part of the conversation in:

- 5 minute blocks (1)
- 1 minute blocks (2)
- 30 second blocks (3)
- 10 second blocks (4)

DESIGN GOALS

Goal 1

Goal 3

Goal 5

UNIVERSITY OF

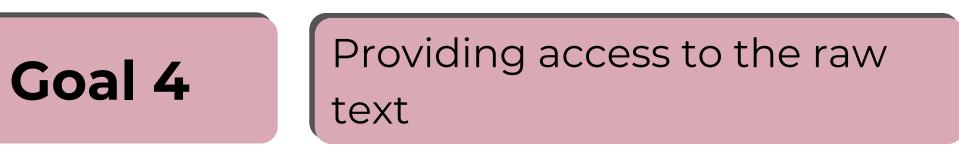
CALGARY

Lightweight visualization on demand

Goal 2

Limiting unnecessary distraction and interaction

Consistent summarization as text is added



Prioritizing privacy and

consent in data collection

15:55:27 **PICKLED FOOD** t was like pickled cabbage or something, not like kimchi. 15:55:17 PRICE INCREASE **FOOD PREFERENCES** 15:55:07

We would like to acknowledge Victoria Wong, who helped create mockups for the second iteration of our design and assisted in prototype development and styling.



interactions lab

DATA EXPERIENCE LAB

segmentation (Not Pictured)

• By topic via dialogue