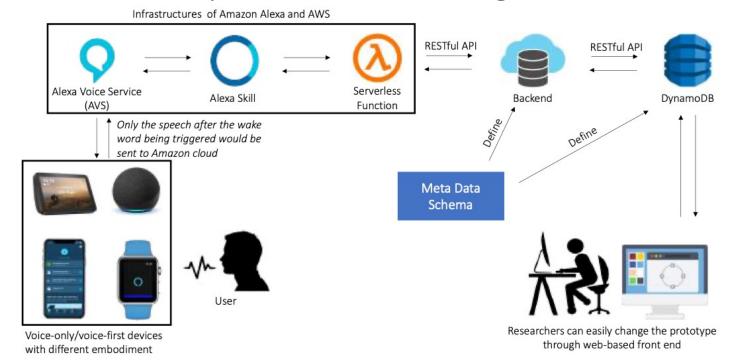


## Introductions

- Using voice to collect EMA data is promising yet challenging!
- Rapid prototype for Wizard-of-Oz studies is important;
- While fast prototyping a "voice skill" in the healthcare domain using commercially available smart speakers, efficiently managing the conversational flows is usually problematic;
- Contribution: A unified metadata schema that models EMA questions and its necessary attributes to integrate voice as a new EMA input modality;



## Toward a Unified Metadata Schema for Ecological Momentary Assessment with Voice-First Virtual Assistant



Online virtual conference 27th–29th July 2021

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Project Website: <a href="http://voli.ucsd.edu">http://voli.ucsd.edu</a>



Please also refer to our earlier needs-finding efforts:

Chen, C., Johnson, J., Charles, K., Lee, A., Lifset, E., Hogarth, M., Moore, A., Farcas, E., Weibel, N., "Understanding Barriers and Design Opportunities to Improve Healthcare and QOL for Older Adults through Voice Assistants", *The 23rd International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS'21)*, October 18–22, 2021, Virtual Event, USA. ACM, New York, NY, USA, 14 Pages, DOI: 10.1145/3441852.3471218