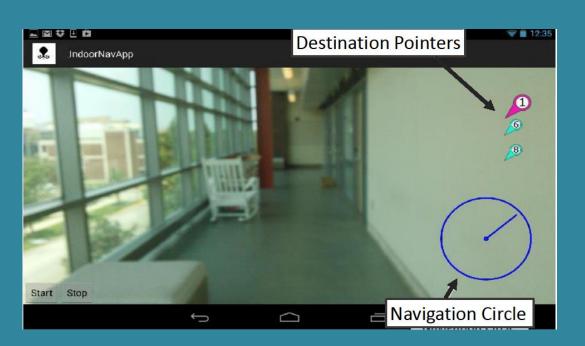
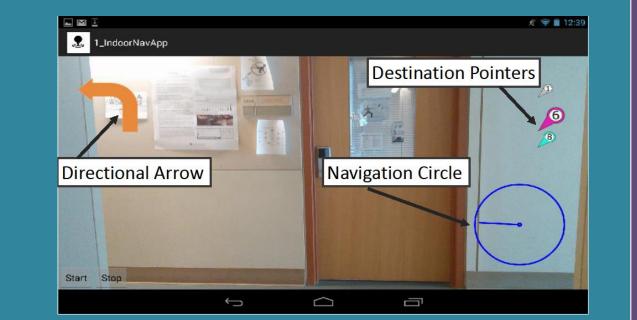
Reimagining Indoor Navigation App Design to promote Incidental Spatial Knowledge Learning







Video with Circle

Video with Arrow & Circle



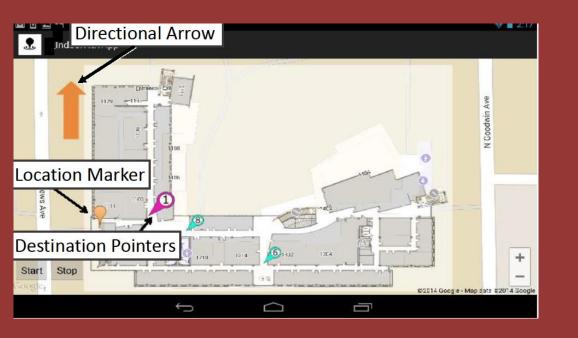


More navigational == cues



More spatial knowledge



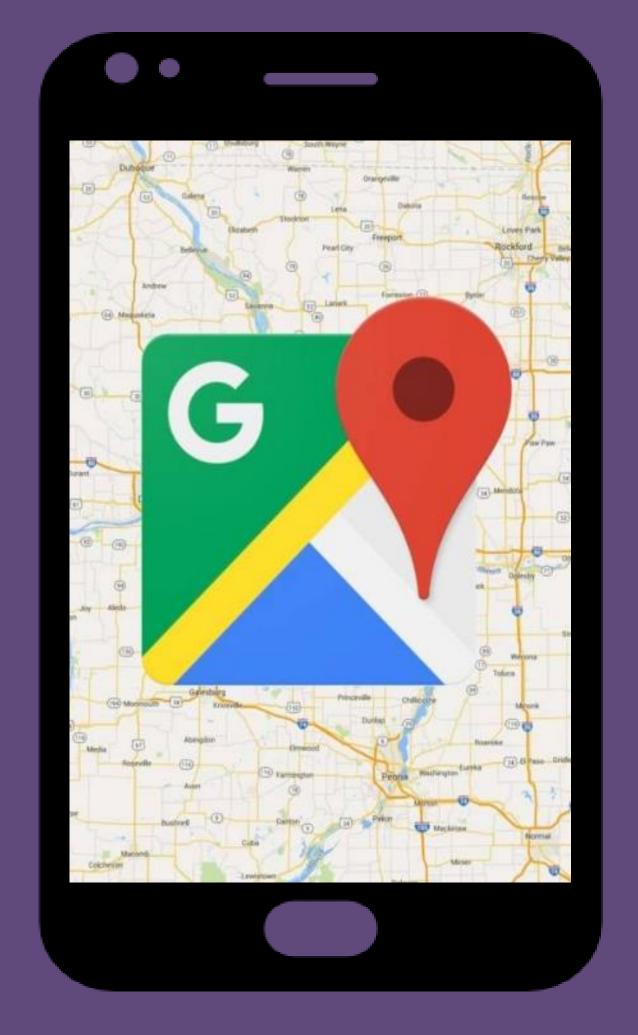








## Is Google Map Killing Your Spatial Skill?



Sanorita Dey

Prof. Wai Fu Prof. Karrie Karahalios

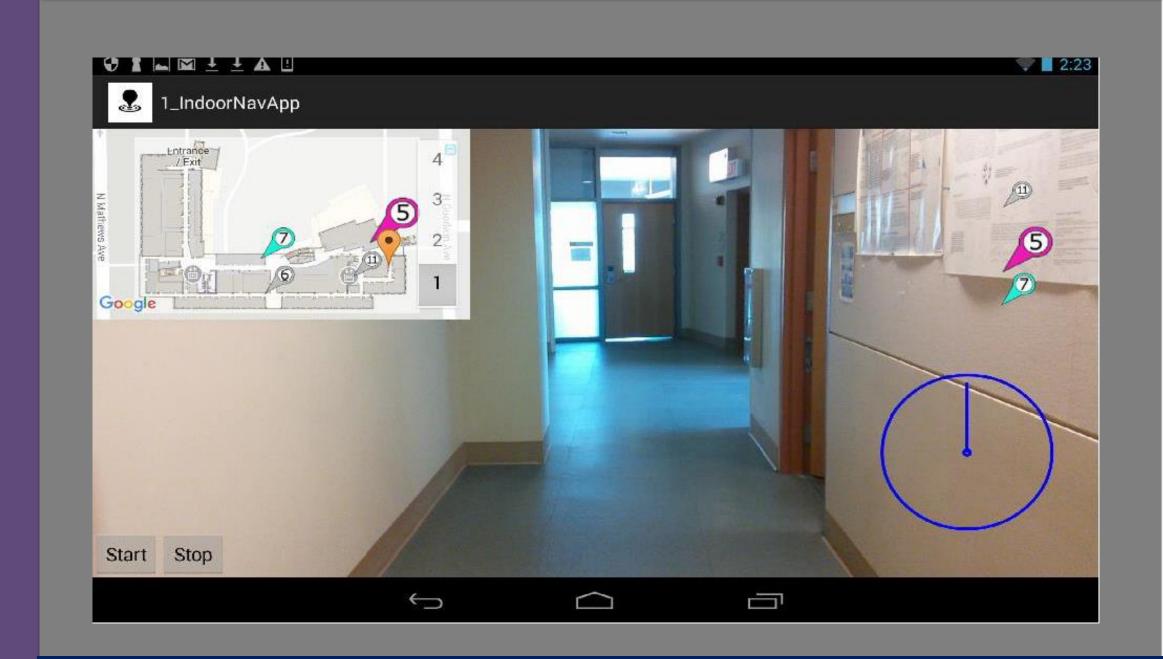
Paper(SUI 2019)



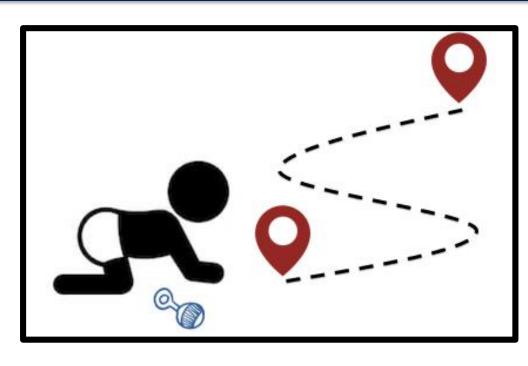


Website

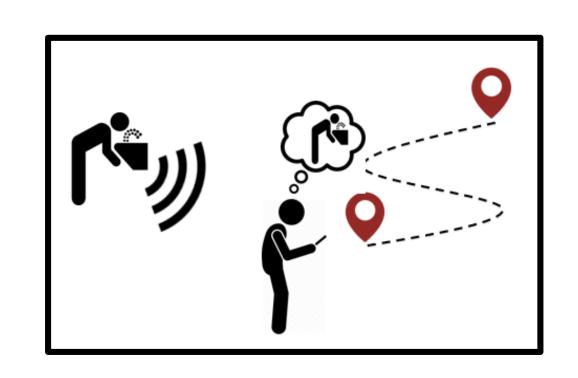
## Combining Map & Video-Based Frame of References



## Future Work



Toys teaching spatial knowledge



Sensory aided landmarks learning