

# How to design an artistic narrative virtual reality experience based on sign language poetry

Master 2 2018/19

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# State-of-the-Art Fields

- Sign Language Poetry
- Time-based Narrative
- Action-Based Narrative
- Virtual Reality
- Motion Capture



Peter Cook, ASL Poetry Performer



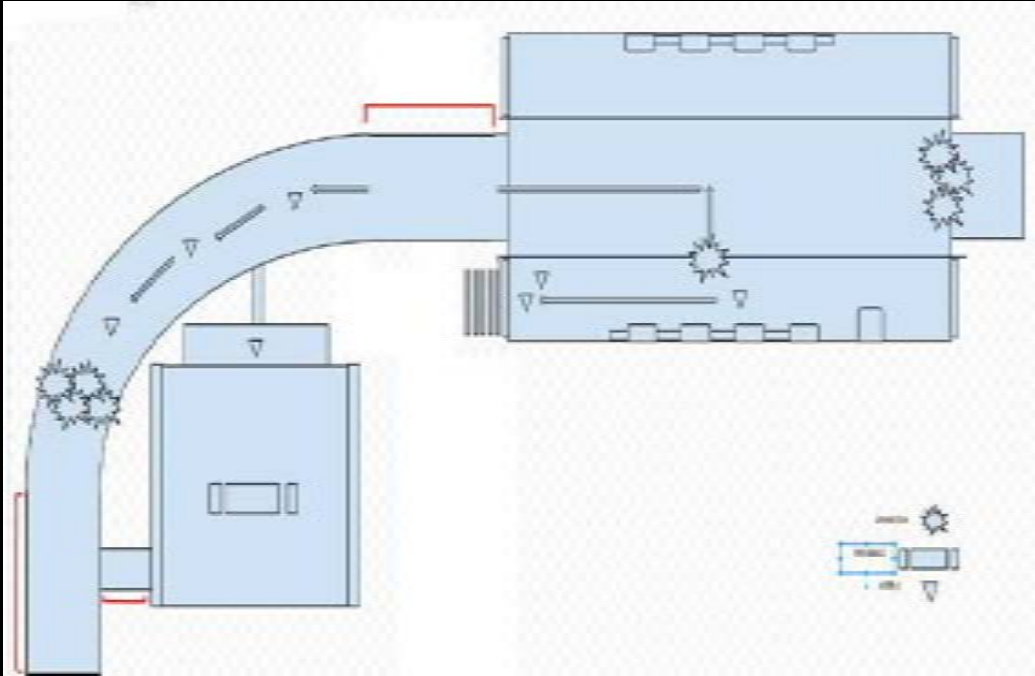
Julie Chateauvert, ASL Poetry Mocap Performer

# Research Questions

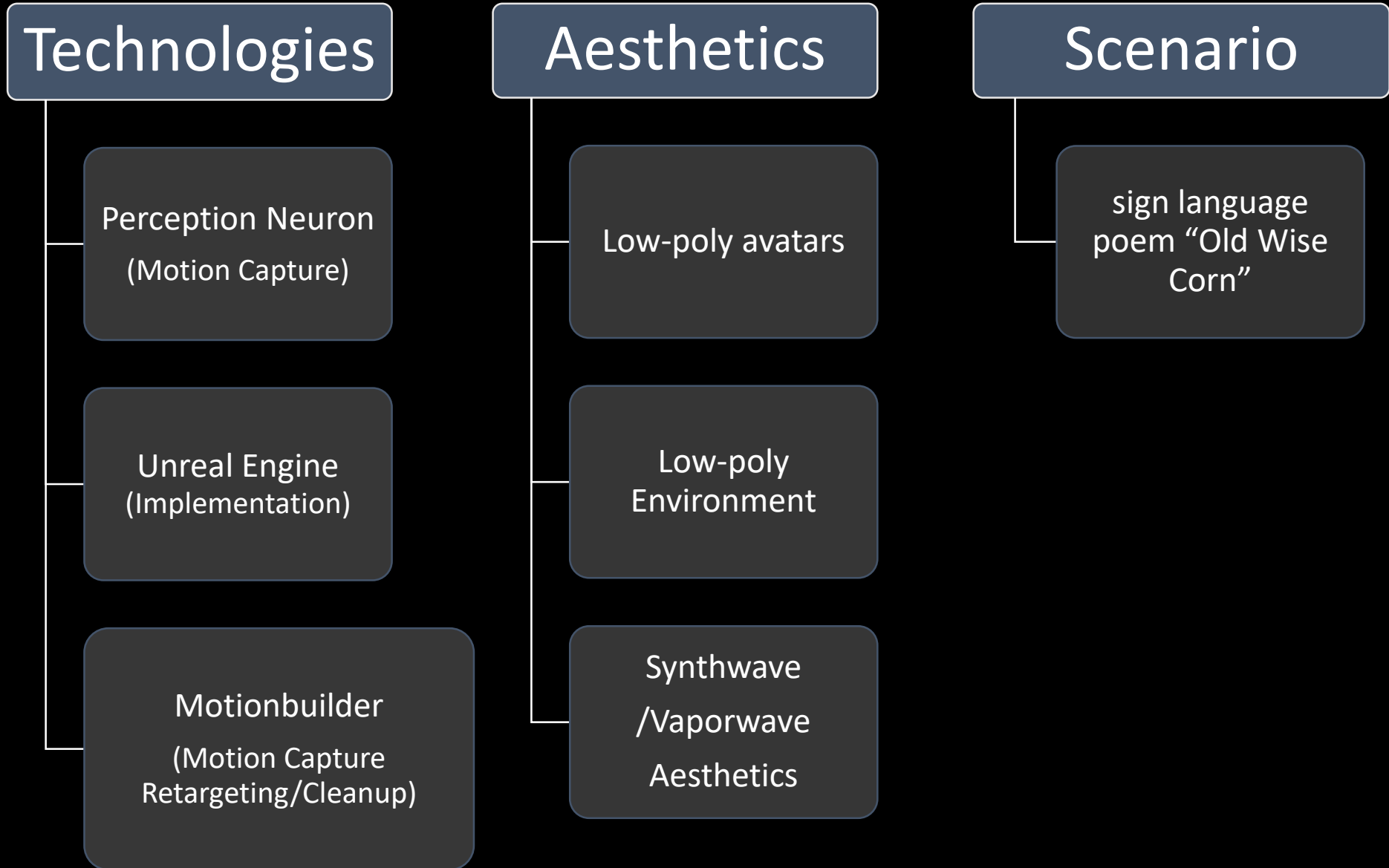
- How is virtual reality and sign language poetry related to each other?
- Does the artistic visualization of sign language poetry in VR enhance the way that the spectator appreciates and experiences it?
- Can different aesthetics affect the user in their experience with the narrative?
- Does the time-based narrative in virtual reality have a strong impact on the user?



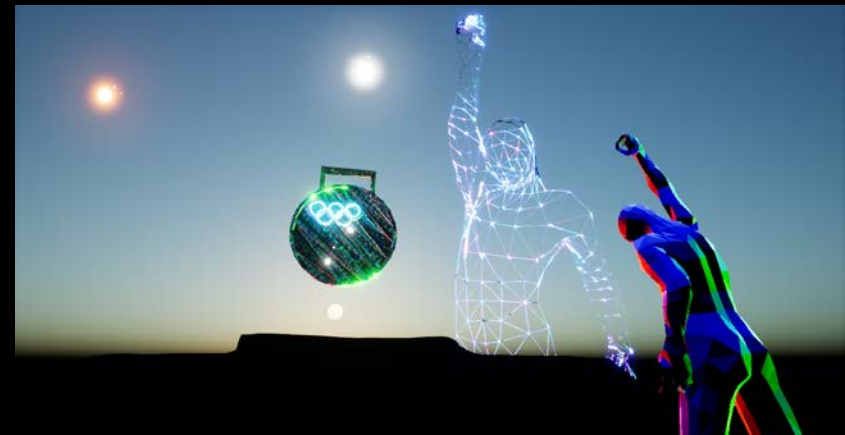
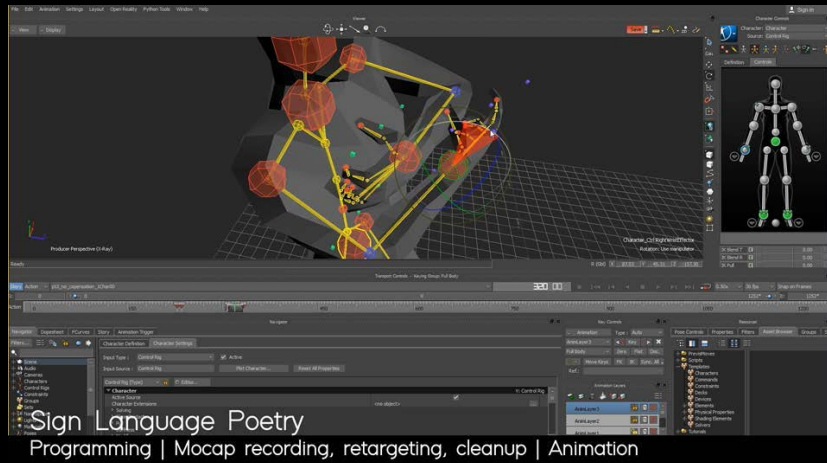
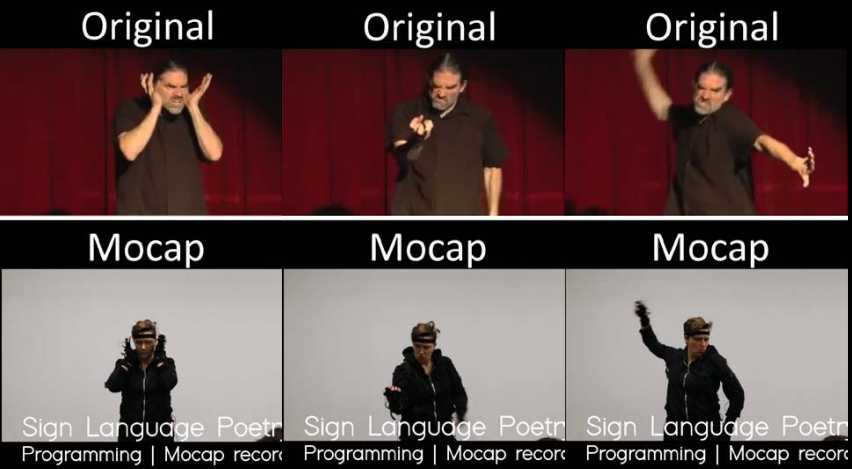
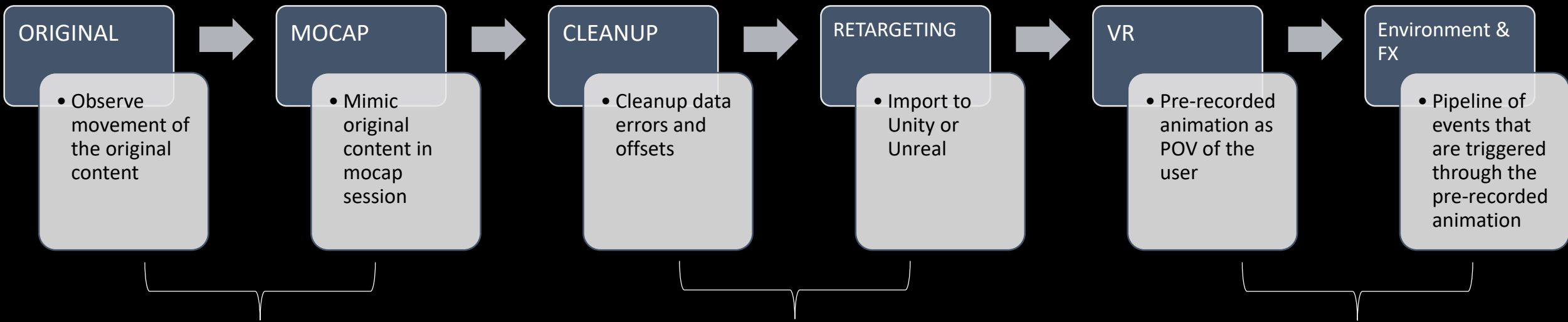
# Intensif: Time-based Narrative ( Horror VR Experience)



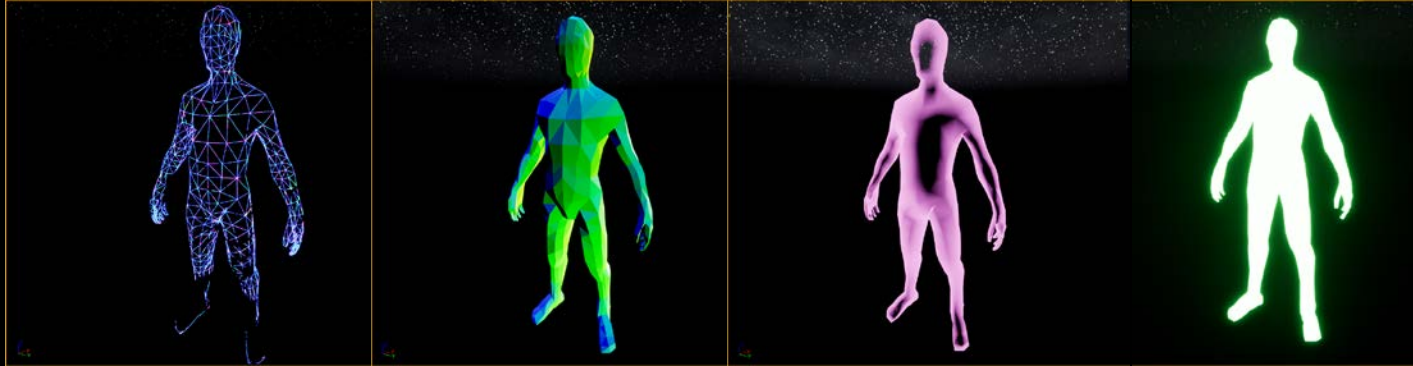
# Structure



# Pipeline



# Avatar Material Tests

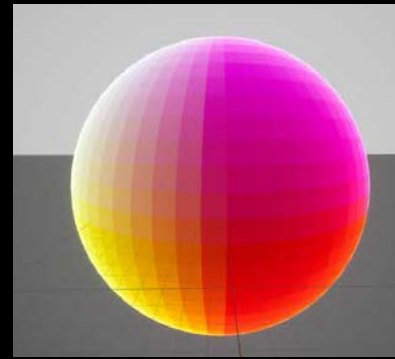


Wireframe

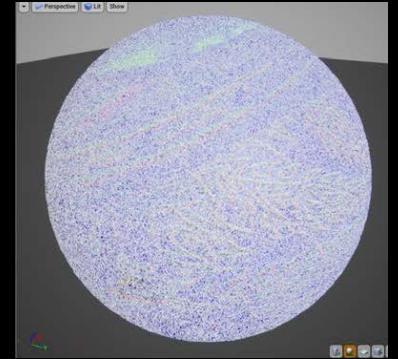
Flat

Semi-transparent

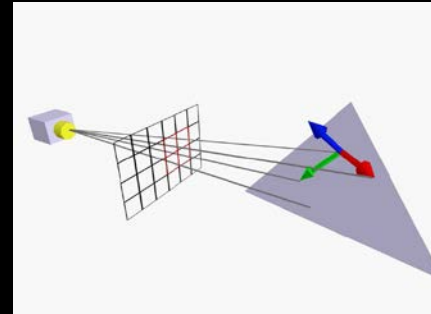
Emissive



Flat

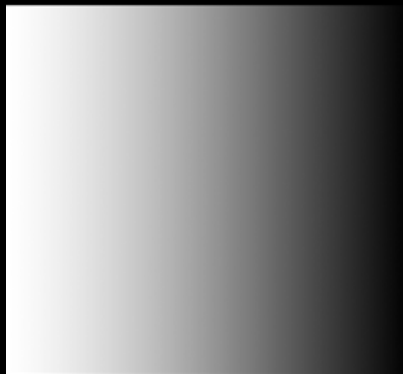


Simplex Noise

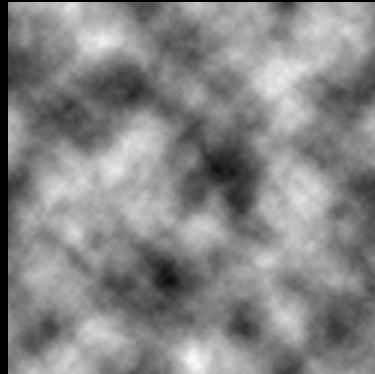


DDX x DDY

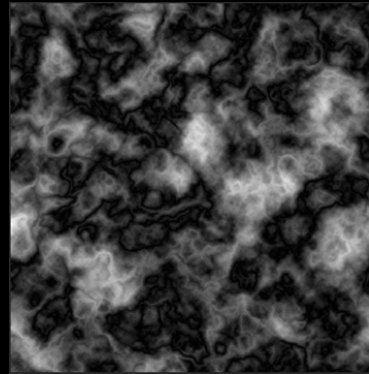
# Trail Implementation



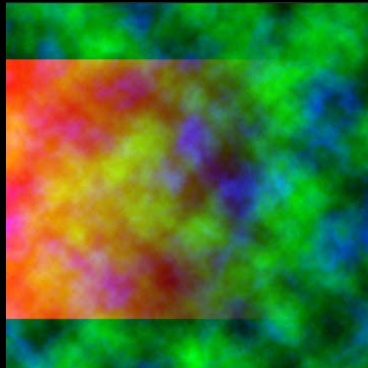
R



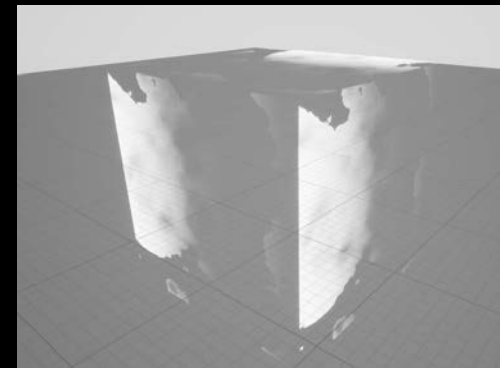
G



B



RGB



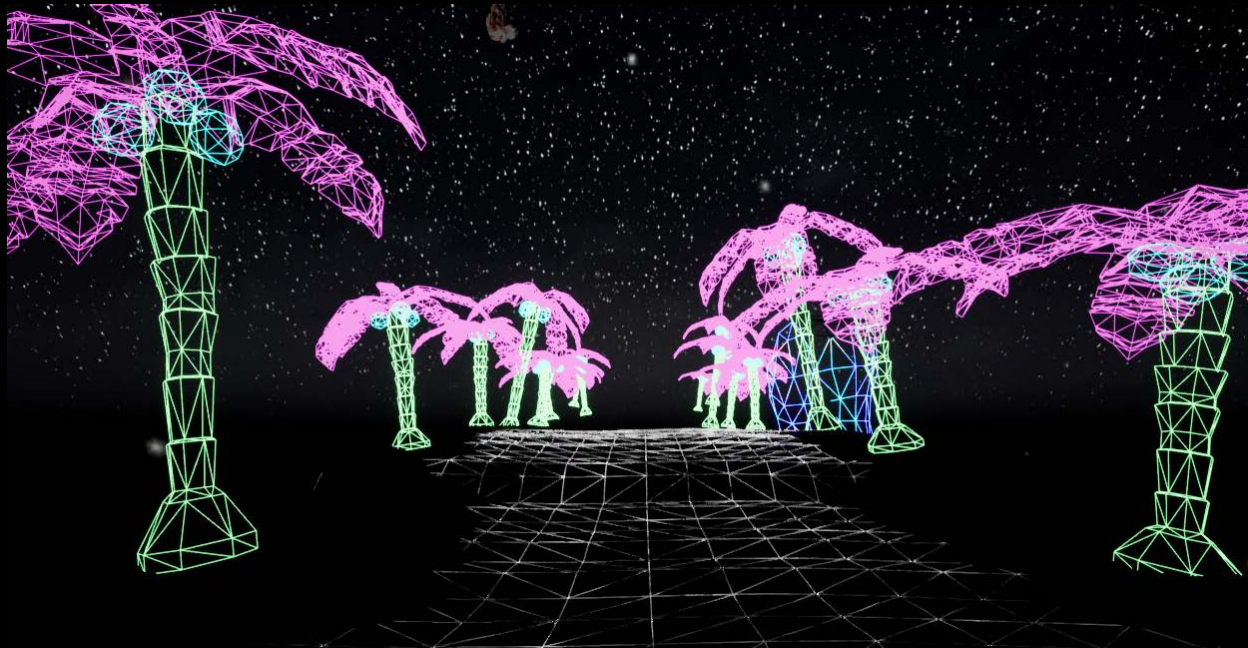
Trail Material



Light Trail



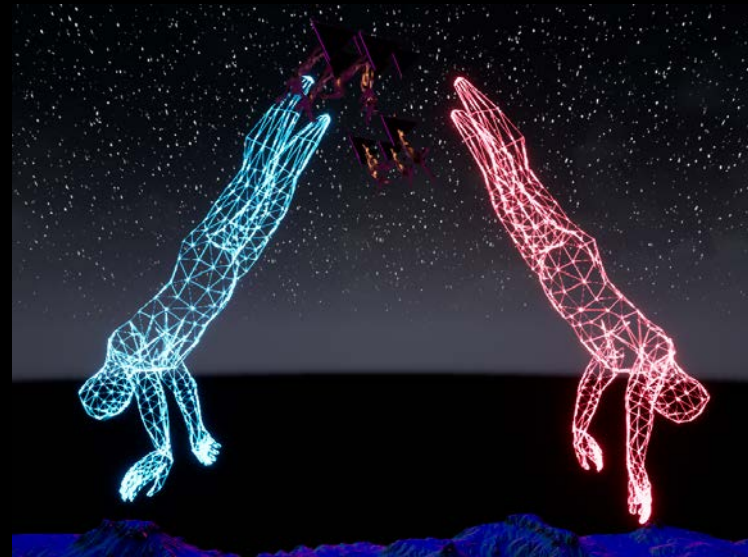
# Samples from VR Experience



**Future Work: Parallel World Timelines → Several VR Narratives**



**Keywords:** Remnants of Humankind | Möbius strip | futuristic post apocalypse | vaporwave



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