

Data Visualization and Extreme Reality Laboratory

Multi – User VR Evacuation Drills for Emergency Response, Training, and Decision Making



Subway Evacuation



School Bus Evacuation



Night Club Disaster Evacuation



Mega City Evacuation



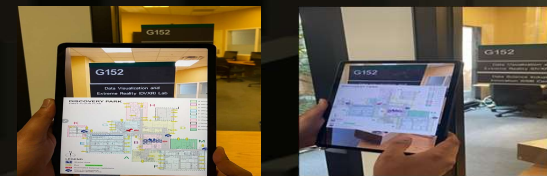
UNT Building Evacuation



XR & HoloLens for Navigation & Evacuation



Mobile Augmented Reality Application (MARA) for Situational Awareness



Virtual Reality Instructional (VRI) & ARI Modules for Teaching, Health Care, Patient Safety, & Active Shooter



Research Areas

- Data Science (DS)
- Data Visualization (DV)
- Virtual Reality (VR)
- Augmented Reality (AR)
- Mixed Reality (MR)
- Extreme Reality (XR)
- Artificial Intelligence (AI)
- Software Engineering (SE)
- Agent-Based Modeling (ABM)
- Multi-Agent System (MAS)
- Human Behavior Modeling (HBM)



World Viz 3D Projection VR Power Wall Pro

Virtual Reality Headsets

HoloLens 2, Apple Vision Pro, Meta Quest 3, Magic Leap 2, HTC VIVE , VIVE Focus 3 Facial Tracker & Eye Tracker



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