Texas State University

# TRAINING WITH AUGMENTED REALITY/VIRTUAL REALITY


Augmented reality and virtual reality (AR/VR) technology-based training has demonstrated the ability to lower costs and drive results in the learning and training arena through interactive, 3D experiences. Because many scenarios can be made virtual, new training models can be applied to improve law enforcement, nursing, engineering, aerospace, sports science, and more.

# *A* **BIG** *Impact -* TRAINING WITH AR/VR

Texas State has developed unique capabilities to develop and research innovative applications of AR/VR. Funding for training with AR/VR will help faculty to support adoption of new approaches across sectors and provide our students with cutting-edge learning experiences to lead the implementation of AR/VR initiatives in the workforce.

## Areas of AR/VR Research at Texas State

**Public Safety**
- Training for law enforcement in use of force situations
- Emergency medical training for first responders

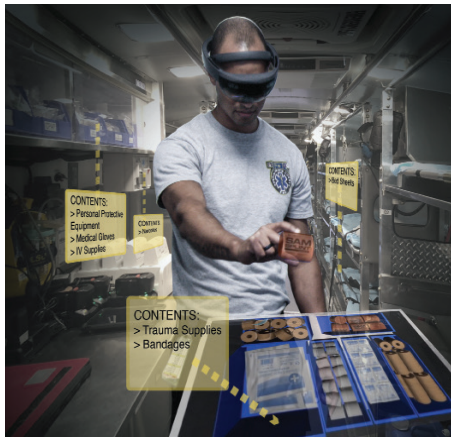
**Health**
- Use of VR to treat addiction
- Efficient triage in emergency rooms
- Improve patient care process and treatment by visualizing health related real time data on human bodies

**Business**
- Use of AR for training in construction industry
- Development of eye tracking software in AR/VR environments

## AR/VR Delivers Benefits for Training Applications

### Advantages of AR/VR

- Simulates real life
- Cuts training costs
- Allows for continuous practice and feedback
- Can be applied across industries




# **BIG** *Philanthropic Opportunities*

- Endow an AR/VR Program Fund to provide national sustainable resources to support Texas State in becoming a leader in AR/VR
- Provide seed funding to support interdisciplinary teams in developing and researching new applications of AR/VR
- Endow an AR/VR equipment fund to support adoption of AR/VR in classroom instruction
- Support undergraduate scholarships to help Texas State recruit and retain high-achieving students interested in pursuing AR/VR
- Endow graduate fellowships to fund student research on AR/VR with faculty
- Invest in faculty fellowships to fund AR/VR research and innovation in a designated area
- Establish an endowed professorship to support distinguished faculty in conducting cutting-edge research in AR/VR
- Fund an endowed chair to support departmental leadership in the future of teaching and research

## Your Invitation

We invite visionary philanthropic partners to support our students and faculty in discovering sustainable solutions for global issues through innovative research.

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