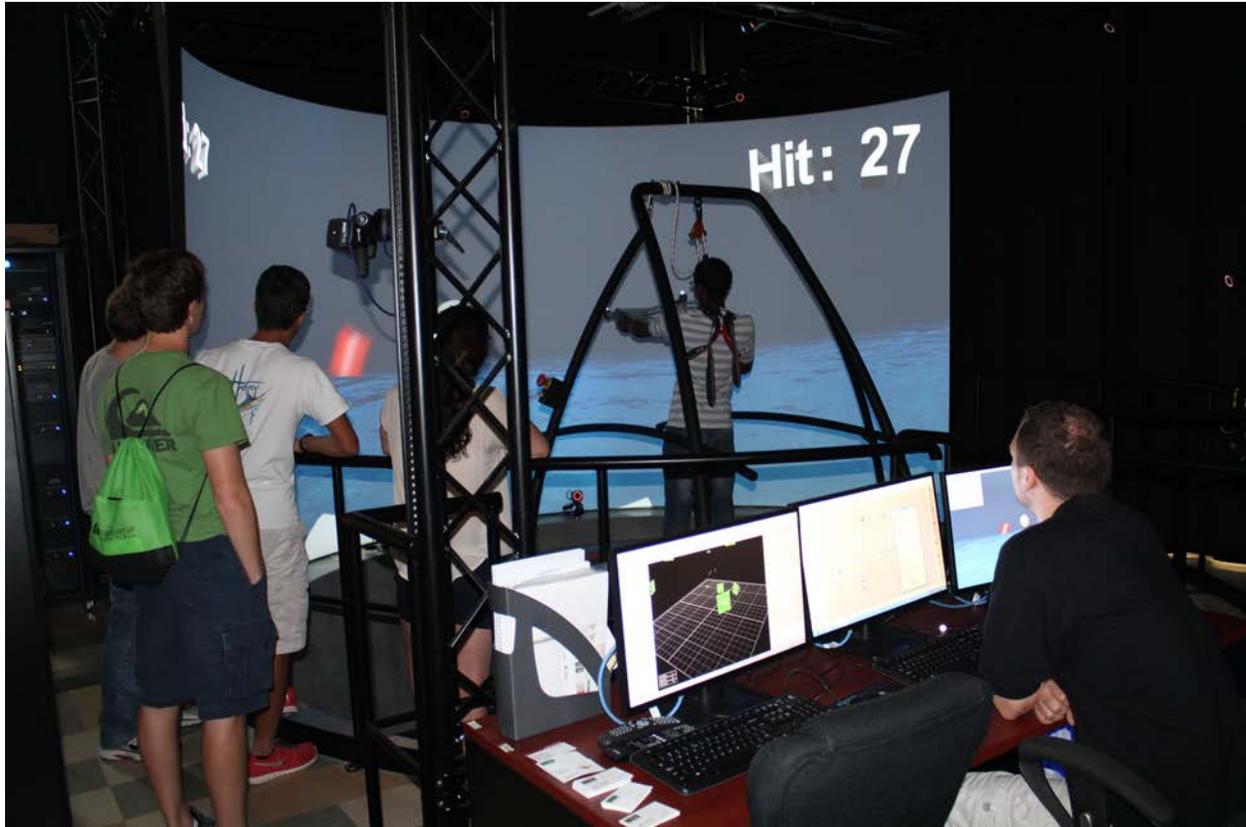


Graduate students from CARRT laboratories helped demonstrate rehabilitation engineering projects for over twenty high school students that were part of the pre-college Biomedical Engineering Program at USF. The high school students learned about a smart wheelchair mounted robotic arm system, a brain computer interface used to control the robotic arm, and how a smart phone app can be used to drive an electric wheelchair. The students also visited Dr. Kyle Reed's lab and participated in demonstrations about haptics and asymmetric walking. Students also spent time testing out the new CAREN (Computer Assisted Rehabilitation Environment) virtual reality system (shown below).



KAREN Virtual Reality System



Hands-Free Android Phone Operated Wheelchair