

About twelve students from underprivileged families attending Allen Temple Neighborhood Development Corporation Summer Camp have visited CARRT labs on Wednesday, July 23rd. These students participated in hands on activities led by USF engineering students. These demonstrations included riding an omnidirectional remote control dance platform, playing and riding on an electric wheelchair controlled by a smart phone app, playing Connect Four with the Baxter robot, learning about stroke rehabilitation using Wiii balance boards and a rehabilitation shoe, learning about a smart wheelchair mounted robotic arm system, a brain computer interface used to control the robotic arm, and experiencing virtual reality with the Computer Assisted Rehabilitation Environment (CAREN) system. The students also visited RPAL lab and interacted with the virtual reality project to assist in live surgeries.



CAREN Virtual Reality System



Baxter Playing Connect-4 with the Students