

Value Proposition

MAD SABINO

The ME Department at the University of Idaho has built an exoskeleton called the BLUE SABINO which helps assess the arm and hand movements of individuals with neurological impairment, such as those who suffer from stroke. The exoskeleton can assist and make mobility easier for these individuals so that they can train hand and arm movements which we take for granted. Our goal is to build a 3D virtual gaming environment that can utilize the BLUE SABINO to consistently assess the patients in repeatable tasks such as reach and grasp movements. Our solution will enhance the benefits of using a system like the BLUE SABINO by adding an intuitive and easy-to-use visual interface that can be configured to match each patient's needs exactly.