

## Di Goodwin: Past Projects

### Trackball and Armrest support



A young man with Muscular Dystrophy was going to college for Computer-Aided Design. He needed to have good access to a trackball for operating the computer. Positioning was critical, and it had to be in a specific position. His arm would fall asleep and need repositioning every 20 minutes or so because his body weight was resting on the edge of his existing armrest as shown in the picture (bottom, right). A custom armrest was mounted to his wheelchair. It was padded and fully supported his arm in a good position for both driving and operating the trackball. His arm no longer fell asleep. The trackball was mounted to a bracket which slipped into a receiver which was attached to his joystick box (bottom, left). This resulted in precise positioning of the trackball for optimal operation. A mounting bracket was also attached to his trackball at home.

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