

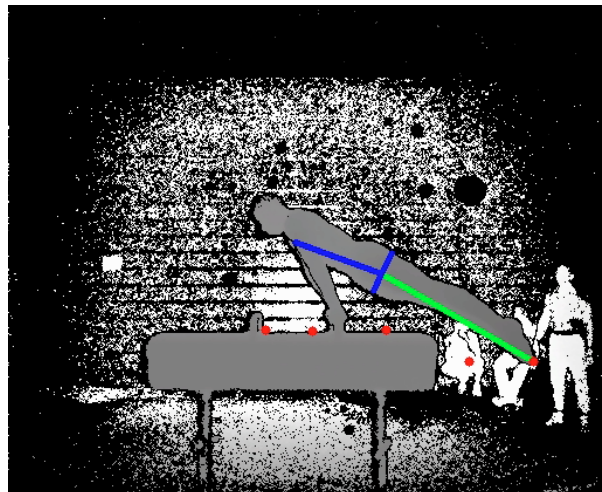
Olympic Gymnasts and Kinect Imagery



The United States Olympic Committee (USOC) is interested in developing an application to help their coaches train their gymnasts in the pommel horse event. An existing code base has been developed with the Microsoft Kinect to track the gymnasts as they compete in the event, but a 3 to 4 student team is needed to develop this into a full-fledged application that can provide useful information to coaches.

You will:

- Have the opportunity to travel to the USOC in Colorado Springs to see the facilities, collect additional data, talk to coaches about requirements, and meet Olympic athletes
- Be able to work with the new Microsoft Kinect for Windows
- Use OpenCV to apply computer vision techniques, an exciting area of computer science research
- Gain experience developing a real world application in C++ and Windows
- Contribute to the Olympic team's effort at the next Games in Rio.



If you are interested in this project, contact Brian Reily at breily@mines.edu for more information.