Virtual Reality Dance Analysis Application

Title: Virtual Reality Dance Analysis Application

Invention: This invention is an application that analyzes a person wearing a motion capture suit (MoCap) while they are dancing. The application captures the dance performance and then uses pause, rewind and fast-forward functions to analyze their performance. The user is able to analyzing their performance from any point of view desired and maintain complete control while analyzing.

Background: It is important, across all levels of dance skill, for dancers to receive valuable feedback and analysis of their performances so that they can expand their skills and continually learn. This invention increases the quality of analysis by allowing dance studios and dance programs to incorporate technology into their instruction and care their place in the 21st century.

Applications:
- Dance studios and schools
- Improvement of gameplay in various dancing games

Advantages:
- Analyzes the movement of the user
- Offers advice for improvement of the performance
- Allows for 100% control of the point of view and time for analysis

Licensing Manager:
Kevin McKee

KevinM2@tla.arizona.edu
(520) 626-1213
Inventors

Departmental Work

Arizona Public Media