

Challenge – So You Think Your Robot Can Dance

Robotics are used in fine arts as a part of performance, animation, and theatrics.

Design a custom robot dance routine to a favorite piece of music. The choreography must be at least one minute in length and use a minimum of five different positions. For an advanced challenge, create one custom action that can be incorporated into the choreography.

Once your dance is complete, create and share a mobile interface that allows anyone to showcase the dance routine.

Tip: Search for free music using www.ninety9lives.com.

Tip: Start with an existing mobile interface to see how buttons can be used to execute routines.

Students will learn to...

- Synchronize servo movements to music
- Save a new routine in the Soundboard control
- Transition between servo positions
- Advanced: build actions through still frames
- Advanced: calculate servo angles and positioning
- Modify or build a mobile app interface
- Save and export a mobile app to the EZ-Cloud
- Access apps from the EZ-Cloud community

Recommended Lessons

The Robot Program Episode 034: Teaching JD Humanoid to Dance

The Robot Program Episode 037: Teaching JD Humanoid to Dab!

The Robot Program Episode 053: Creating a Mobile App