

Name: Zachary

Location: Palo Alto

Instructor: Leah Feuerman

Starter Project: #1, Minty Boost

Main Project: #326: Voice controlled lamp

<http://www.instructables.com/id/Bluetooth-Voice-Controlled-Moving-Lamp/>

Major Steps to complete the project:

1. Make sure all parts have arrived as planned
2. Make sure servos work correctly after connecting them with the Arduino. Make sure voltage converter works too connected to the 12V power source.
3. Set up the base of the lamp and connect the servo to the base and the Arduino. Make sure the servo rotates correctly with voice control. ***This is a milestone. Save all design files, record a video, and post to the website.***
4. Set up LED with relay. ***This is a milestone. Save all design files, record a video, and post to the website.***
5. Connect the second servo, Connect the first arm to the second servo
6. Connect third servo and the second arm
7. Install the LED.
8. Connect Arduino to all the servos, and make sure everything works as expected. ***This is a milestone. Save all design files, record a video, and post to the website.***
9. Create full documentation, write a blog post describing the system, and post everything on your webpage.

Potential Modifications:

1. Mind Control
2. Add dimming
3. Photoresistor
4. Touch Sensor