

PROJECTS IDEAS

1. **CONTROLLING HOME APPLIANCE:** Since bone can create server around itself and there is some limited range, but it is sufficient to control the home appliances such as TVs, Refrigerator, cooler, washing machine. We can control not only switch off /on but also change speed, their settings and having connected to appliance to specific port we can code them to alter their states. These all will work given there is small connector connected to home appliance which can be easily available. After doing that we will have free from switches and not to touch the appliance for controlling the machine. Bone also have facility to interact interface which is powerful for interacting through screen. We can even change the priority of appliance used.
2. **MOTION OF QUAD COPTER ON ANY TRAJECTORY:** Using the bone/pi we can traverse any kind of copter on a certain path controlled by pi/bone anywhere (sea air).
3. **EYE WRITER:** The EyeWriter is a low-cost eye-tracking apparatus + custom software that allows graffiti writers and artists with paralysis resulting from Amyotrophic Lateral Sclerosis to draw using only their eyes. We will use the beagle bone/pi for controlling and its user interaction ability.
4. **PLOTTING TIME :** There are clocks which use LEDs to tell the time, there are ones that use valves, hands, light casting and those that use e-ink. What if you could use actual ink to tell the time ? In this project, an Arduino is hooked up to a motor and mechanism where a felt pen draws out the time (though it could be anything you want) and wipes it away to correct it! I think it's a cute and out-of-the box way to show that there are always many ways to do the same task.