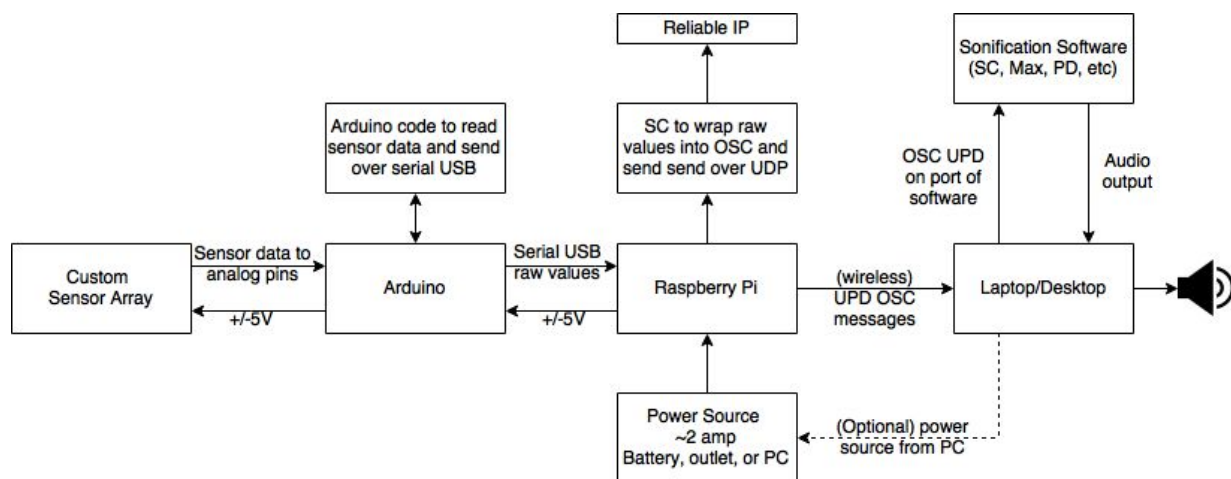


OMI Pod Workshop

Thursday, Sept 21, 4pm (?) in AKW 002 (Euterpea Studio)

Summary

1. *Subject:* Basics of computer music
2. *Prerequisites:* None
3. *Time Allotment:* 90 minutes
4. *Objective:* Students will understand the minimal necessary software and hardware components of an effective digital instrument. Students will have experience modifying the existing pods by changing (1) the custom sensor array and (2) the sonification code. Students will leave the workshop with the tools to build their own *OMI Pod*.



Implementation

Learning Context

Overview of what we are going to do in this workshop. Break participants into groups (based on number of available OMI Pods so that each group has at least one person that has seen programming before (for the SC part).

Procedure

- a. Anticipatory Set (15 min)
Playing with the existing pods.
- b. Direct Instruction (10 min)
A powerpoint going over the basics of
- c. Guided Practice (25 min)
 - 1) Each group adds a touch sensor to their custom sensor array (arduino code is already setup to process this data and pass it along through OSC in the RPI SC instance to the PC sonification.
 - 2) Each group uses the OSC coming into the sonification software to play a 808 clap when the touch sensor is touched.
- d. Check for Understanding (5 min)
Questions? (maybe thing more structured?)
- e. Independent Practice (25 min)
Each group comes up with their own idea for a modification to the OMI Pod and implements it.
- f. Closing (10 min)
Each group demonstrates their new version of the OMI Pod to the class. [Videotape this]

Materials & Resources

- a. Parts list is available at TBA
- b. All software for the base OMI Pods (Arduino, Raspberry PI, and SC on PC) are available at TBA (images or github?)

Workshop Assessment

We will ask all participants in the workshop to fill out a feedback form (next page) so that we can improve future workshops and provide nice quotes to DHLabs.

OMI Pod Workshop - Feedback Form

Thursday, Sept 21, 4pm. Sponsored by DHLab

Name (Optional): _____

- 1) Do you feel you have learned something from this workshop? What can you do/what do you know that you did not at the beginning?

- 2) What part of the workshop did you enjoy the most? What part taught you the most? What part was the most fun?

- 3) What could be improved? Was the workshop too long/short? Too difficult/basic?

- 4) Any general feedback that you could provide?

- 5) May we use your answers in a blog post about this workshop for the DHLab

Question #1	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Question #2	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Question #3	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Question #4	Yes <input type="checkbox"/>	No <input type="checkbox"/>