How to Use:

The title pretty much says it all, but there's a few interesting features to the fruit drums that you might want to try out.

- Use the mouse to navigate to the "instrument" tab on SimpleSynth. Scroll through the list and double-click on anything you might want to try. The new MIDI sequence will be used as soon as you play the drums again, and so you can transform the drumset into a variety of instruments!
    - Some sound sets let you press and hold on the fruits to play one sound for a longer duration. Interesting sets like this include:
        - Bagpipe, French Horn, Tuba, Sax (there's many more)
    - The default drum set is TR-808, but other interesting drum-like sets include:
        - Steel Drum, Castanet, Orchestra
    - And there's also just a lot of weird sound sets! (Crystal, Thunder, Sitar, etc)
- The drumset can also function as a sequencer- you can record previous beats to essentially become like a one-man band. This feature is activated by tapping the two rightmost fruits at the same time.
    - If you find that the sequence is too crowded, clear it by tapping the leftmost and the rightmost fruit at the same time.
    - To turn off the sequencer, tap the two rightmost fruits simultaneously again.
- Sometimes, the software decides to do something weird (not stop playing a sound, drums stop working, etc). The simple fix is to press the reset button on the Arduino- wait a couple seconds, and it should reboot just fine.

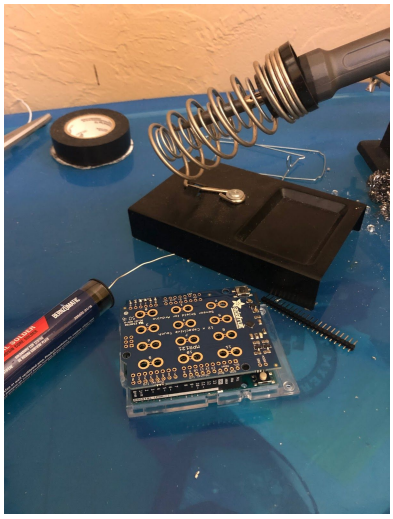
Questions/Comments?

Hello, my name is Dahlia, and I like to make things like fruit drums in my spare time. I'm a senior at Fort Myers High School and a rising freshman at MIT, and my email is dahlia.dry24@gmail.com if you have questions, comments, or would like to build something like this yourself. You can also find the code for this project at https://github.com/Dahlia-Dry/FruitDrums if you want to see how it all works.

How To Build:

1.Solder

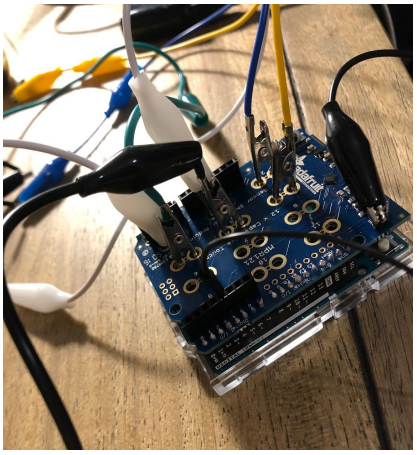
{Allow capacitive touch hat to connect to Arduino}



2.Connect

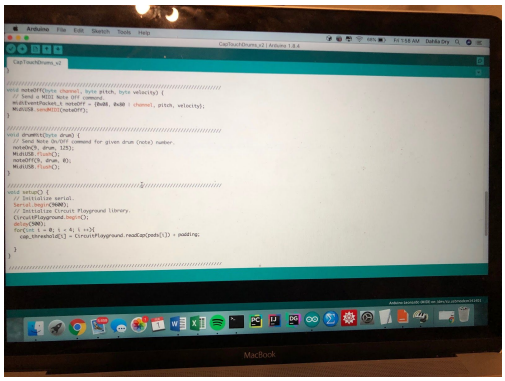
{Establish Hat-Arduino interface}

{Use Alligator clips to connect Hat to electrodes}



3.Code

{Listen for signals from hardware, send messages to MIDI synth}

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