Plumid

A midi software interface for NEURAL DSP's ARCHETYPE PLINI

Developed by Nathan Jose

Week #2 Report

September 2nd, 2019

Application Development

- Completed further research on python libraries that read MIDI in real-time and experimented with reading MIDI from the Behringer FCB1010:
    - Updated to Python 3 in order to ensure compatibility with certain Python MIDI libraries
    - Installed and started working on Atom to write code for the project.
    - Tried coding with the py-midi library to read MIDI in real time but I wasn't able to read any input from the Behringer FCB101 successfully.
    - Listed other libraries such as pygame.midi and rtmidi for further experimentation.

Executive Section

To: Prof. Patrick Shepherd
From: Nathan S. Jose
Subject: Plumid - Week #2 Report
Date: September 2nd, 2019

- Accomplishments:
    - Found and installed Python MIDI libraries to experiment with
    - Updated python and have Atom IDE for writing code.
- Challenges:
    - Discovered code on GitHub that was written for the behringer fcb1010 midi controller, however it was written to make the controller compatible with controlling DAWs like Ableton and Reaper and hence wasn't applicable to my project and was also pretty complex.
    - Tried reading input from the FCB1010 using the pymidi library and was unsuccessful, might need to try other libraries or find a way to integrate code from the bigger projects using the FCB1010 to MIDI automate DAWs.
- Time spent:
    - Time in class was spent searching and learning more about the python code that will help interact with MIDI devices and receive messages from them and parse them.
    - Time outside of class was spent writing code using the libraries found in class and getting the program to read input from the FCB1010.
- Goals:
    - The following week will also be spent finding and testing code that will receive MIDI messages from the Behringer FCB1010 MIDI controller pedal.