Jonathan Shved

Time Log Attached below:

10/10

8pm-9pm: Team discussion on what needs to be learned

10/11

12am-3am: Collecting Resources for the project: https://docs.google.com/document/d/1sHMh5SV\_Ns66Lm6zTq2l6nJyogeLGDz-eJdUDhNpPSo/edit

10/12

5pm-7pm: w3schools figuring out JS and HTML.

10/13

5pm-7pm: Trying to find Audio Note Recognition in JS.

10/14

5pm-7pm: Model that can be loaded with Tensorflow.js for note recognition:

https://github.com/DerWaldi/ai-music-processing-js/tree/master/web

10/19

1pm-1:30: Team Discussion moving Forward

10/20

10pm-12am: Setting up and running AI model for classifying chords with Abram

10/28

5pm-8:30pm: Coded Diatonic Scale to recommend complementary chords to given hummed ones using Circle of fifths (music theory)

11/19

5:30pm-9pm: Reading about and using different functions from Tone.js

11/26

6pm-8pm: Got in a call with Ethan and Abram to discuss the input and output of synth and general questions about JS and Abram helping correct code for easier usability

11/27

8am-1pm: Implementing the library @tonejs/piano into the Piano Synth

11/28

11am-1pm: Research to find a guitar synth to implement as another instrument, very unsuccessful. All the guitar synths found for web midi did not have all 88 notes.

1:30pm-3:30pm: Working with Abram to make sure all the code compiles correctly and is exported properly