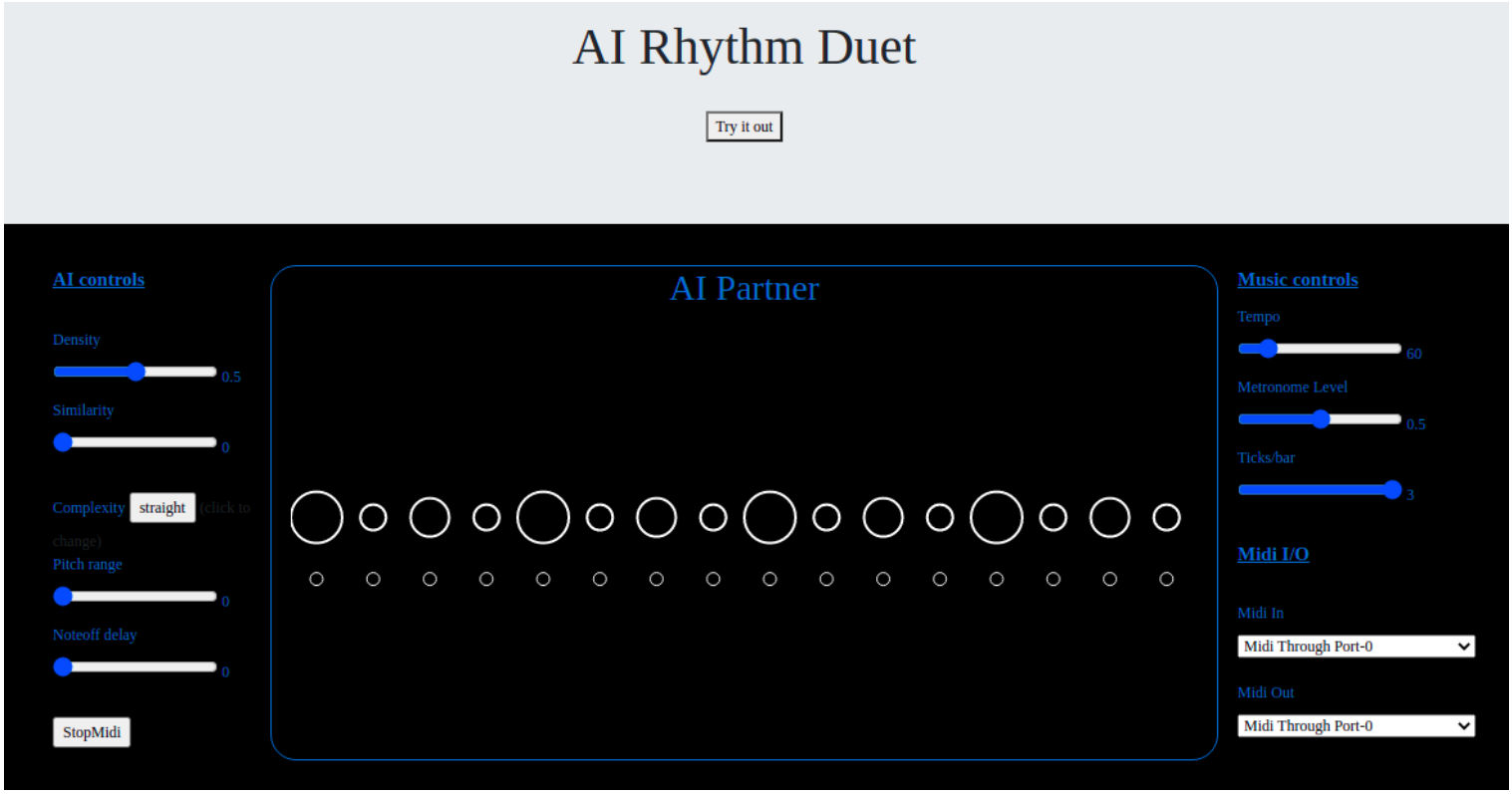
MASSE is an algorithmic rhythmic partner.

Description of the GUI



Density - Determines how many events MASSE outputs

Low Value:0, High value: 1, Steps: 0.05		
0 = all notes are off	0.5 = mirrors the users density	1 = all notes on

Similarity - Determines whether the rhythm played is the same or the opposite of the inputted rhythm

Low Value:0, High value: 1, Steps: 0.05		
0 = plays the same rhythm as inputted	0.5 = plays some a balance of the inputted rhythm as well as the opposite of the inputted rhythm	1 = plays the opposite rhythm of the performer

Complexity - Determines the priority of on/off beat changes in similarity and density

Discrete Values Straight/Syncopated	
Straight = - Adds quarter notes, followed by eighth notes, followed by sixteenth notes for density - Adds quarter notes, followed by eighth notes, followed by sixteenth notes for similarity - Removes sixteenth notes followed by eighth notes, followed by quarter notes for similarity	Syncopated = - Adds sixteenth notes, followed by eighth notes, followed by quarter notes for density - Adds sixteenth notes, followed by eighth notes, followed by quarter notes for similarity - Removes quarter notes, followed by eighth notes, followed by sixteenth notes for similarity

Pitch Range - The range of Pitches that MASSE will select

Low Value:0, High value: 1, Steps: 0.05		
0 = plays note value 76	0.5 = selects and plays note values between 50-102	1 = selects and plays note values between 24 and 127

Noteoff Delay - Determines how much time MASSE waits before sending a noteoff. The number given is a seed value

Low Value:0, High value: 10, Steps: 0.5		
0 = sends a noteoff value directly after the noteon value	5s = Sends a noteoff anytime between 0 and 5s after noteon	10s = Sends a noteoff anytime between 0 and 10s after the noteon

Tempo - Determines the beats per minute for the timeline to follow

Low Value: 30BPM, High value: 240BPM, Steps: 5		
30 = 30BPM	120 = 120BPM	240 = 240BPM

Metronome Level - The loudness of the metronome

Ticks/Bars

Low Value: 0, High value: 3, Steps: 1			
0 = 1 Tick at the beginning of bar	1 = Every half note in the bar has a tick	2 = Every quarter note in the bar has a tick	3 = Every eighth note in the bar has a tick

MIDI Panic: Sends noteoff to all notes from 0 - 127

How to Start and Stop MASSE

1) Click on the Try Me button
2) R = Stop, S = Start

INPUT
MASSE expects MIDI note information on channel 1. Note information should include noteon/noteoff, pitch, and velocity. MASSE can accept the entire MIDI range 0-127

MASSE takes MIDI controller information to control MIDI control input of parameters. All control MIDI values are 0-127:
Control #20 - Density
Control #21 - Similarity
Control #22 - Complexify
Control #24 - Pitch Range
Control #25 - Noteoff Delay
Control #26 - Tempo
Control #27 - Metronome Level
Control #28 - Ticks/Bar
Control #29 - MIDI panic

OUTPUT
MASSE sends MIDI noteon/noteoff information on channel 2