

UCLA
Contemporary Music Score Collection

Title

Echoes

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Author

Katz, Tyler

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Tyler Katz

Echoes

For Electronically-Modified Trumpet
and Electronics

Running Time: 3:00

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Echoes was created for the 24+24 project at the University of Iowa, where composers are paired with a random performer. The composer then has 24 hours to write a piece, and then performers have 24 hours to learn the piece for a concert. After being paired with a trumpeter, I decided to combine the trumpet with electronics. I met with the trumpeter and recorded him demonstrating various techniques on the instrument, as well as various mutes. I then electronically manipulated the recordings to create a fixed media track, and I analyzed the track to find out which pitches were prominent. I used these pitches to create a trumpet line that would echo the fixed media. The trumpeter had a special Yamaha silent brass mute that has can be connected to electronics and altered. In addition, he had an electronic programming board called Axoloti, which could be programmed to create different sounds and effects. I used a preprogrammed patch that muted the original trumpet sound, and instead outputted a sound with a delay and echo effect that had a similar, but slightly different timbre to a typical trumpet. I then combined the electronically-modified trumpet with the fixed media to create the effect of constant echoing and reverberation.

Echoes

Tyler Katz

$\text{♩} = 60$
Experimental electronics with a delay
Yamaha mute

B♭ Trumpet

1.5 measures (6 seconds)

random

pp *ff* *n* *fp*

5

f *f*

7

slightly detune (flatten) instrument by a few cents

2 measures (8 seconds)

random

n *f* *mf* H.V. slight bend down

14

Bend Down to the C#

start slow, and gradually increase towards a fast tremolo

p *pp* *n* *p*

22

retune instrument to normal

fff *mf* *ff*

28

fff *pp* *n* *dolce* *mf* *pp*

35

3 measures (12 seconds)

random

fff *pp* *p*

41

fff *n*