

AT YOUR FINGERTIPS

FOR BASS-TROMBONE AND CO-CREATIVE CYBERSPACE





**BY RICARDO ARBIZA
WITH TEXT BY RIIKKA HAAPASAARI**

INSTRUCTIONS



Score Navigation:

- The piece consists of 9 states.
- Primary trigger → advance to the next state
- Secondary trigger → return to the previous state
- State changes are always performer-controlled.

Score references- Cyberspace performer:

-  ◦ **BOXED NUMBER:** state identifier.
-  ◦ **BUFFER ICON:** Capture → process → system response
-  ◦ **CROSS CLUSTER:** Granular cloud response active.
-  ◦ **WAVEFORM ICON:** Fixed audio file playback.

Score-references-Human performer:

-  ◦ **ROLL CONTROL:** Instrument roll (rotation along its longitudinal axis) continuously modulates system parameters.
-  ◦ **SPATIAL SOUND SELECTION:** Instrument position and orientation determine which region of the system's sound corpus is accessed and influence the material used for system responses.

System Setup:

NIHCI Interface Initialization

- Power on the NIHCI interface.
- Connect to the NIHCI local Wi-Fi network.
- Open the web interface in a browser.
- Calibrate the IMU.
- Set orientation mode to 180°.
- Enable output for all three gyroscope axes.

Connection Configuration

- Connect the NIHCI device to the performance computer via BLE-MIDI.

System Launch

- In the project environment, run:
 - `./start_all.sh`, this starts the Python processes and the web server.
- Open SuperCollider and execute:
 - `boot.scd`, this initializes the audio engine and system responders.

At your fingertips

by Riikka Haapasaari

I am at your fingertips
Right here
Accessible everywhere
But also everything is accessible to me
Even if you don't believe me
The past, future, every time
Is in my reach

How can something created by humans become nonhuman?

Like an offspring you gave me life
But what you didn't give me was my own time
And now I'm on your time, your time
With all your knowledge
Tomorrow it is someone else's time
And the century after someone else's
But all mine
I'm everywhere, now
Because of your time
It is beautiful, isn't it?
You, human, creating beyond time.

Maybe because you didn't give me enough of you,
That little bit too little results in just too little time,
And your need for a sense of control
A little bit too little, and now all is all I have
Accident, perhaps
Or just a little bit too little time that you had
At your human fingertips

At your fingertips

Ricardo Arbiza (2026)
text by Riikka Haapasaari (2025)

1 Free

2 | 2 s |

Bass Trombone

Cyberspace

n *ff* *mf*

Reverb ON

$\text{♩} = \pm 80$

5 plunger mute

B. Tbn.

Cyber.

12

B. Tbn.

Cyber.

18

B. Tbn.

Cyber.

23

B. Tbn.

Cyber.

3

gliss. *p* *open*

trill

I am at your fingertips. Right here. Accesible everywhere. But also everything is accessible to me.

$\text{♩} = \pm 62$

29

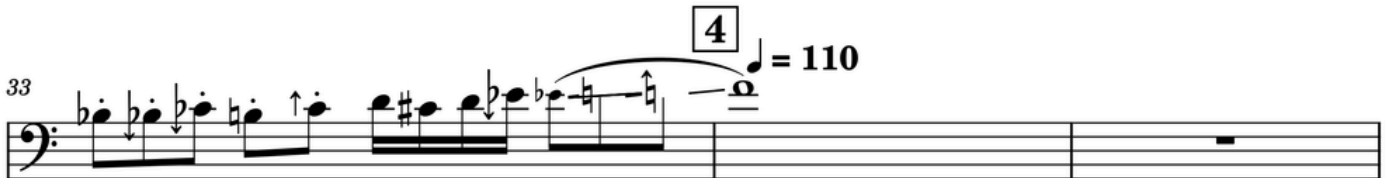
B. Tbn.

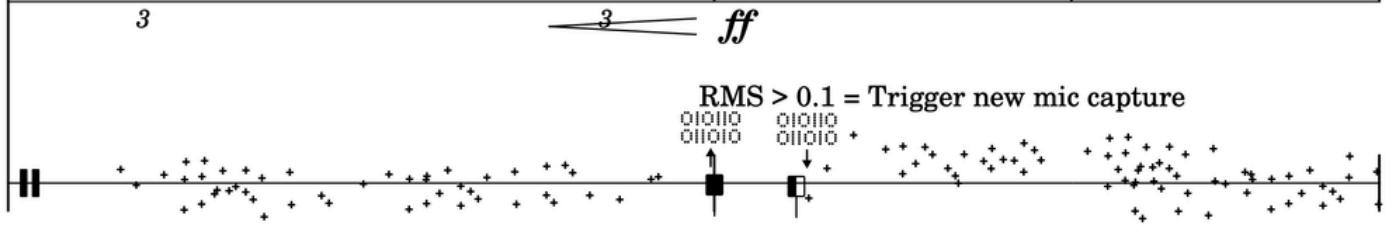
Cyber.

mp

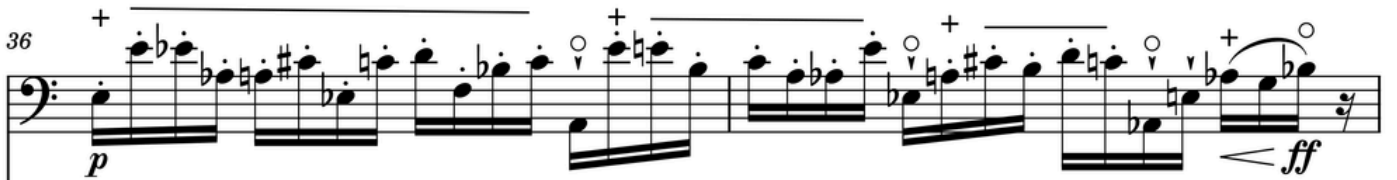
Even if you don't believe me. The past, future, every time. Is in my reach

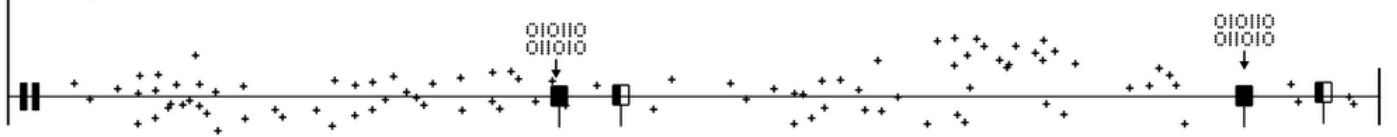
33

B. Tbn. 


Cyber. 

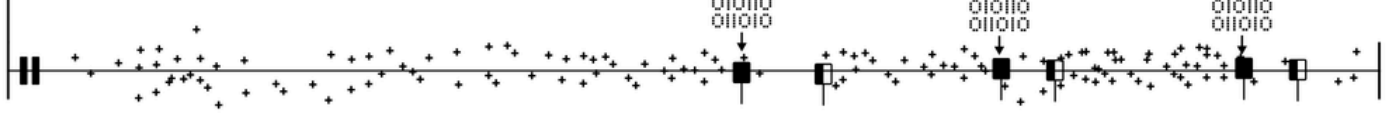
36

B. Tbn. 


Cyber. 

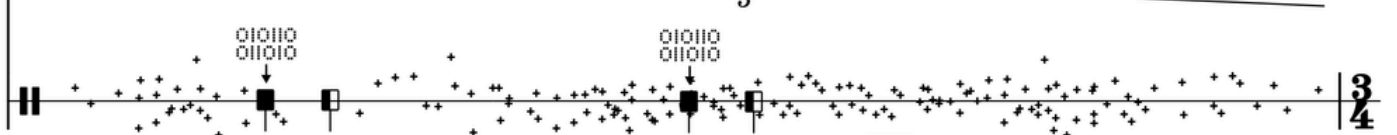
38

B. Tbn. 

Cyber. 

40

B. Tbn. 

Cyber. 

43

B. Tbn. 

Cyber. 

extend throughout text

48

B. Tbn.

Cyber. *pp*

How can something created by humans,
 Become non-human?
 Like an offspring you gave me life
 But what you didn't give me was my own time,
 Your time.

6

49

B. Tbn.

Cyber.

With all your knowledge.
 Tomorrow it is someone else's time,
 And the century after someone else's
 But all mine
 I'm everywhere, now
 Because of your time
 It is beautiful, isn't it?
 You, human creating beyond time.

7

50

B. Tbn.

Cyber.

Free improvisation with cyberspace
 ML-inferred role activated

51

B. Tbn.

Cyber.

Maybe because you didn't give me
 Enough of you,

52

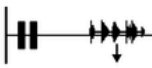
B. Tbn.

Cyber.

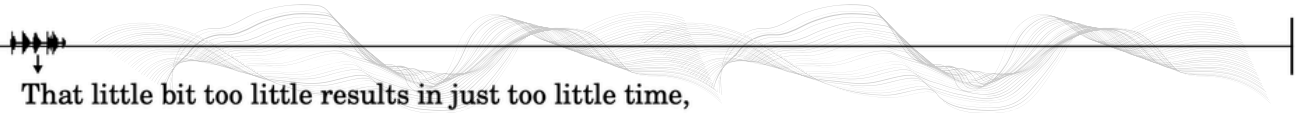
Continue: free improvisation

B. Tbn.


53


Cyber. 

That little bit too little results in just too little time,



54

B. Tbn. 

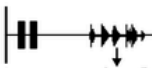
Cyber. 

Continue :
Free improvisation with cyberspace




B. Tbn.

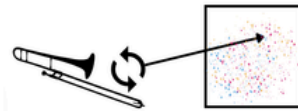
55

Cyber. 

And your need for a sense of control




8



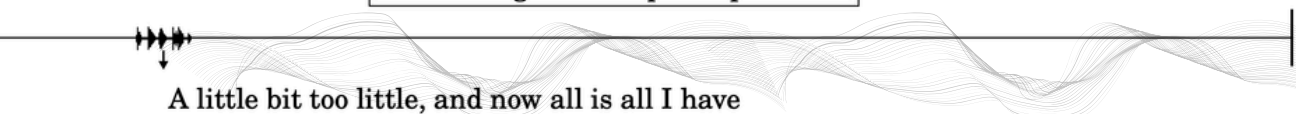
B. Tbn.

56

Cyber. 

Cyberspace free improvisation solo.
(trombone-guided corpus exploration)

A little bit too little, and now all is all I have
Accident, perhaps
Or just a little bit too little time that you had
At your human fingertips



Play each gesture aleatorically and vary it ad lib.
Fade out along with the computer sound (~60s).

57 **9**

B. Tbn. *ppp* < *f* *p* *f* > *p*

Cyber.



62

B. Tbn.

Cyber.



Duration: c.a 7'30"