

NYC MEDIA LAB|

presents:

Making Music With Online Data



Or Fleisher



Dror Ayalon



Or Fleisher



LIVYATANIM: Myth

film.livyatanim.com

A webVR short film featuring the music of LIVYATANIM band.

2016 UMFF Best Interactive

2016 WorldFest NASA Remi Award

2016 GDC - MozVR selection

2016 CommArts Webpicks

Featured in Creators Project, Chrome Experiments, We and the Color, Prosthetic Knowledge, FWA SOTD, Awwwards, VRDeveloper, CSSDesign SOTD and more



Tzina

tzina.space

A webVR documentary

2017 Cannes NEXT selection

2017 SIGGRAPH VR Selection

2016 IDFA DocLab selection

2017 Paris Film Festival selection

2016 Doc-Aviv selection

2017 Toronto webfest selection

Featured in Creators Project, Ha'aretz, VRRoom, Prosthetic Knowledge and more



LIVYATANIM: Sono

sono.livyatanim.com

A webVR binaural music performance

Featured in Creators Project and Chrome webVR experiments



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Viber: Product Manager
www.viber.com

Voice and messaging service, used by more than 800 million users. Acquired by Rakuten by \$1B



NOMNOM: The Video Machine
tzina.space

NOMNOM: The Video Machine allows users to play YouTube videos as music samples, and sync them like a DJ.



LUNCZ
A TOOL THAT CREATES MUSIC USING DATA
DEVELOPED BY DROR AYALON

LUNCZ: Music as a Tool
Luncz allows musicians to record a 10 second snippet of live music played on an acoustic or an amplified instrument, and analyzes the recording to extract the notes, the tempo, and the intensity level of the music. Using this data, Luncz generates new music to accompany the musician.

EXAMPLES

Creative Music Applications on the Web

git

HTML + CSS

JavaScript: Tone.js

node.js

express.js

socket.io

twit

TEMPLATE REPO

http://bit.ly/data_music

CODING

JavaScript

+ html
+ CSS

CODING

Tone.js

<https://tonejs.github.io/>

10 MINUTES

Break 



4GIFs.com

TWITTER API KEY

<https://apps.twitter.com/app/new>

In the meantime...
Data Art: The Big "Why?"

DOWNLOAD TO PROJECT ROOT FOLDER

<http://bit.ly/medialab-workshop>

```
$ npm install
```

CODING

node.js + express.js

<https://expressjs.com>

CODING

twit

<https://www.npmjs.com/package/twit>

CODING

socket.io

Server

CODING

socket.io

Client

A photograph of a person dancing in a room. The floor has large, light-colored tiles with dark grout. The walls are painted with large, overlapping triangles in shades of blue, purple, and pink. The person is wearing a dark t-shirt and dark pants, and is captured in a dynamic pose, possibly performing a breakdance move.

HTML + CSS

JavaScript: Tone.js

node.js

express.js

socket.io

twit

WORKSHOP GITHUB REPO

https://github.com/dodiku/music_with_data_workshop



Feel free to connect



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