

# Generative Design II

# 조영상

Designer + Developer  
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# 질문

- 이름
- 주 관심분야 in 디자인
- 이 수업을 듣는 이유.
- OOO를 배울 수 있겠지 / 만들 수 있겠지?
- 프로그래밍 관련 경험 (무엇이든)

# Creative Coding

Computer programming by creators (artist, designers, etc.)  
for creative purpose.

Creative coding is a type of computer programming in which the goal is to **create something expressive instead of something functional**. It is used to create live visuals and for VJing, as well as creating visual art and design, entertainment, art installations, projections and projection mapping, sound art, advertising, product prototypes, and much more.

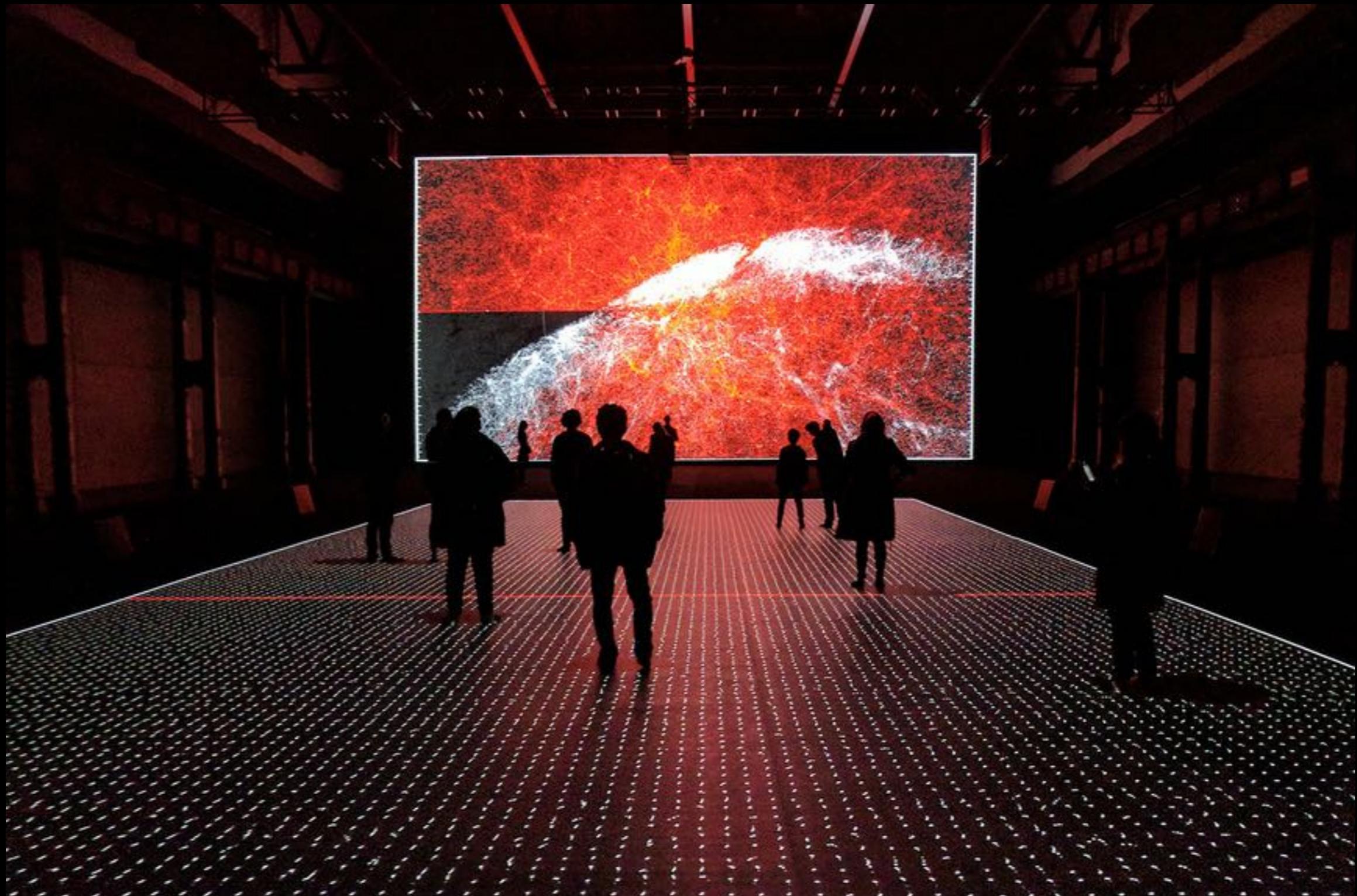
# #MediaArt #Data #MachineLearning

<https://youtu.be/UxQDG6WQT5s?t=166>



#MediaArt #Data #Sound

<https://youtu.be/cywFvcRR-QI>



#MediaArt #Exhibition

teamlab



#MediaArt #Interactive

<https://www.universaleverything.com/projects/future-you>



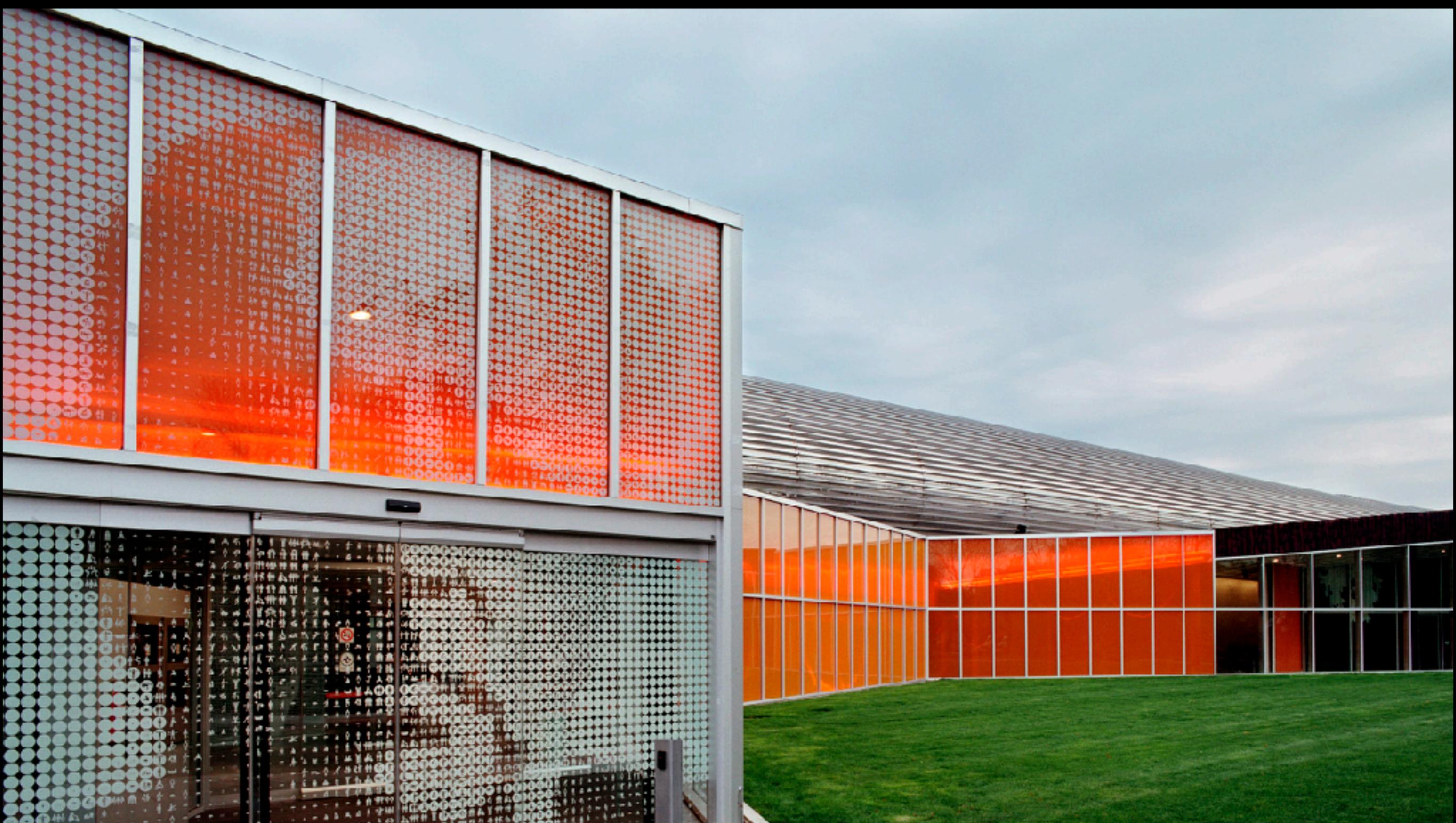
# #Experience #Exhibition

<https://localprojects.com/work/>



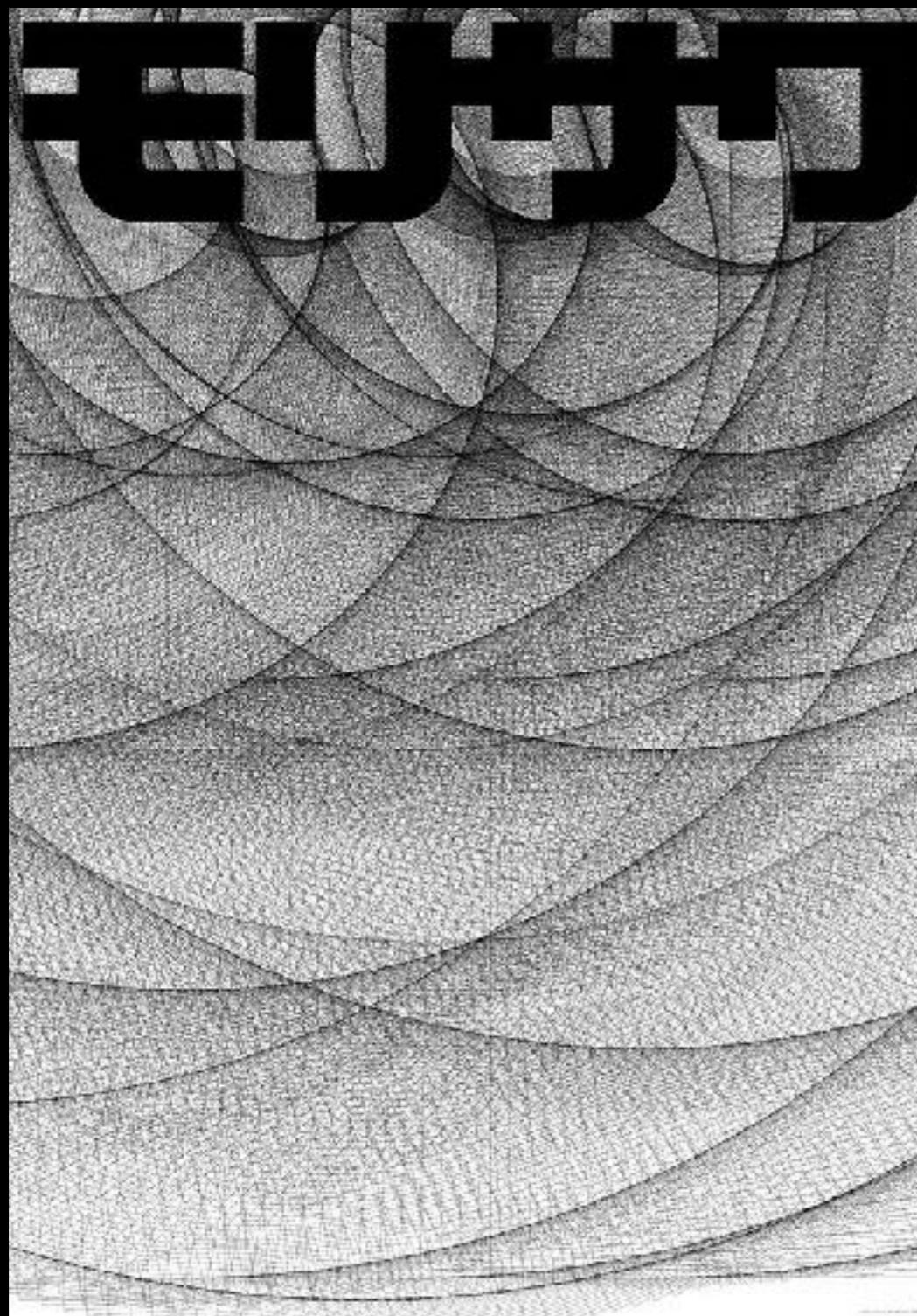
# #Design

<https://2x4.org/work/iit-mccormick-tribune-campus-center/>



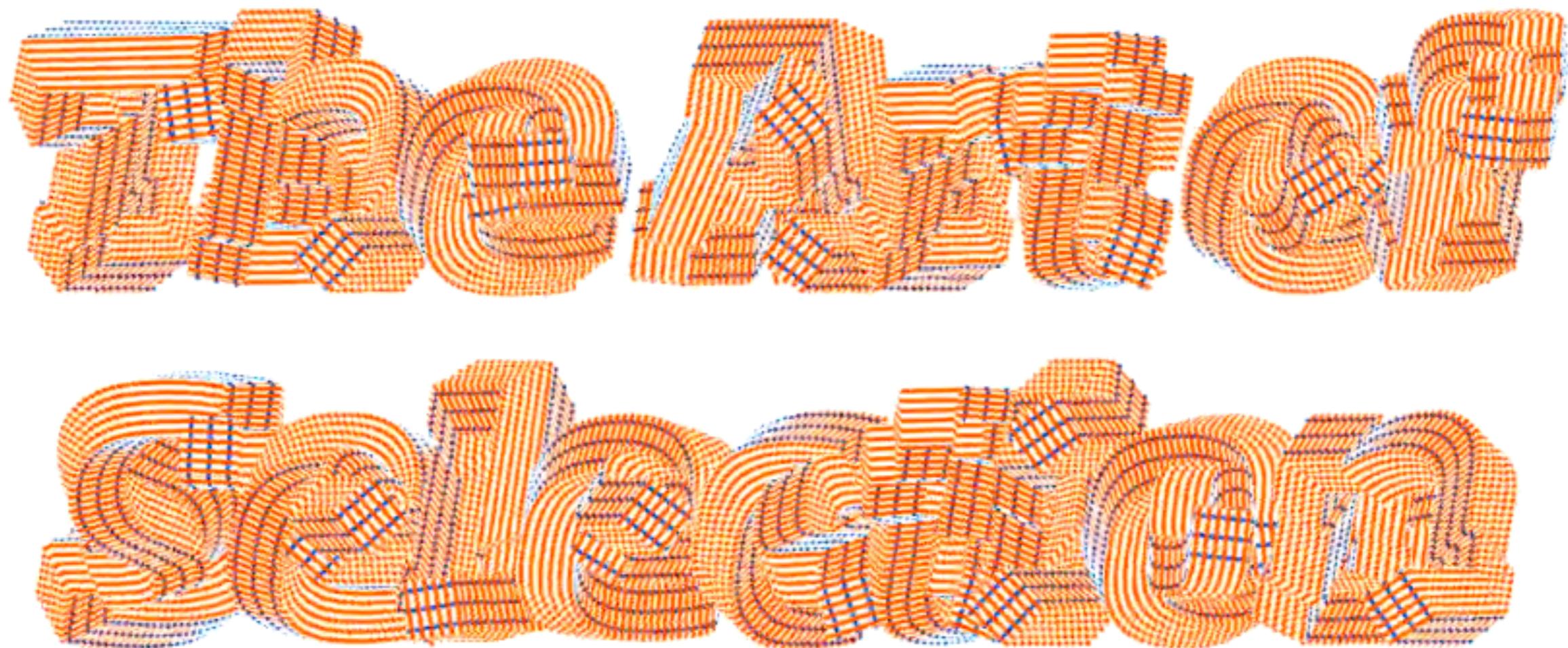
# #Design

# John Maeda



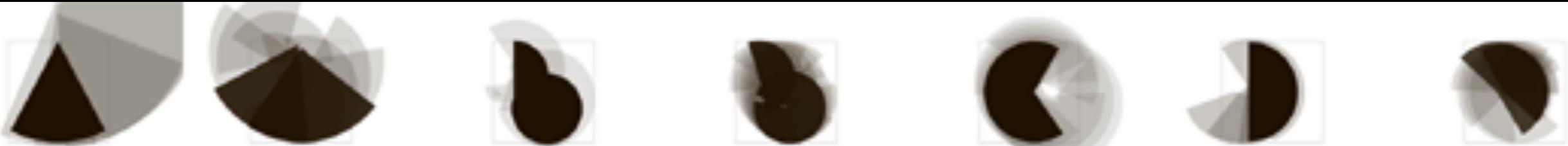
# #Typography

<https://kyuhashim.com/>



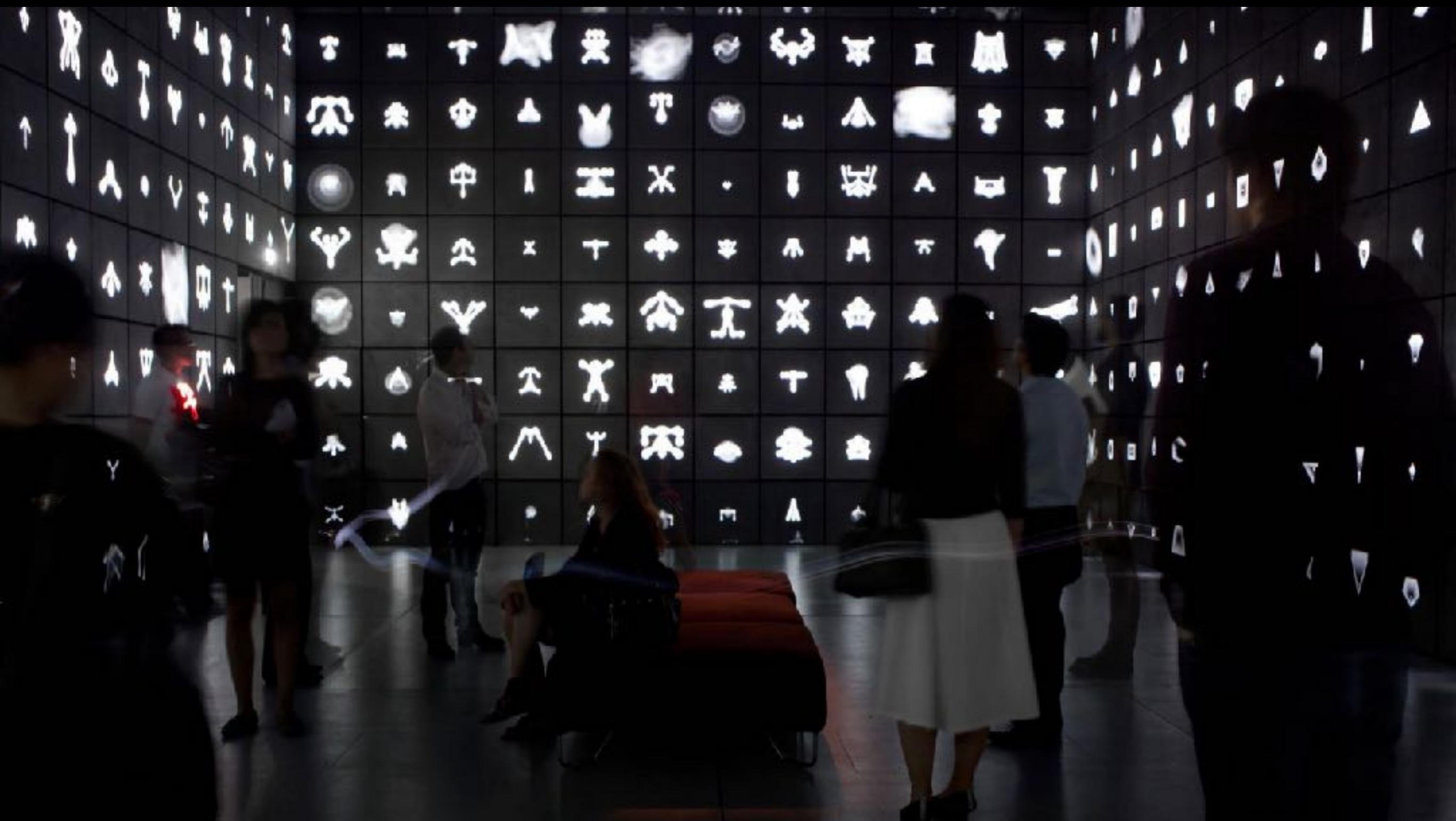
# #Typography

<https://pcho.net/typemenot/>



# #Generative

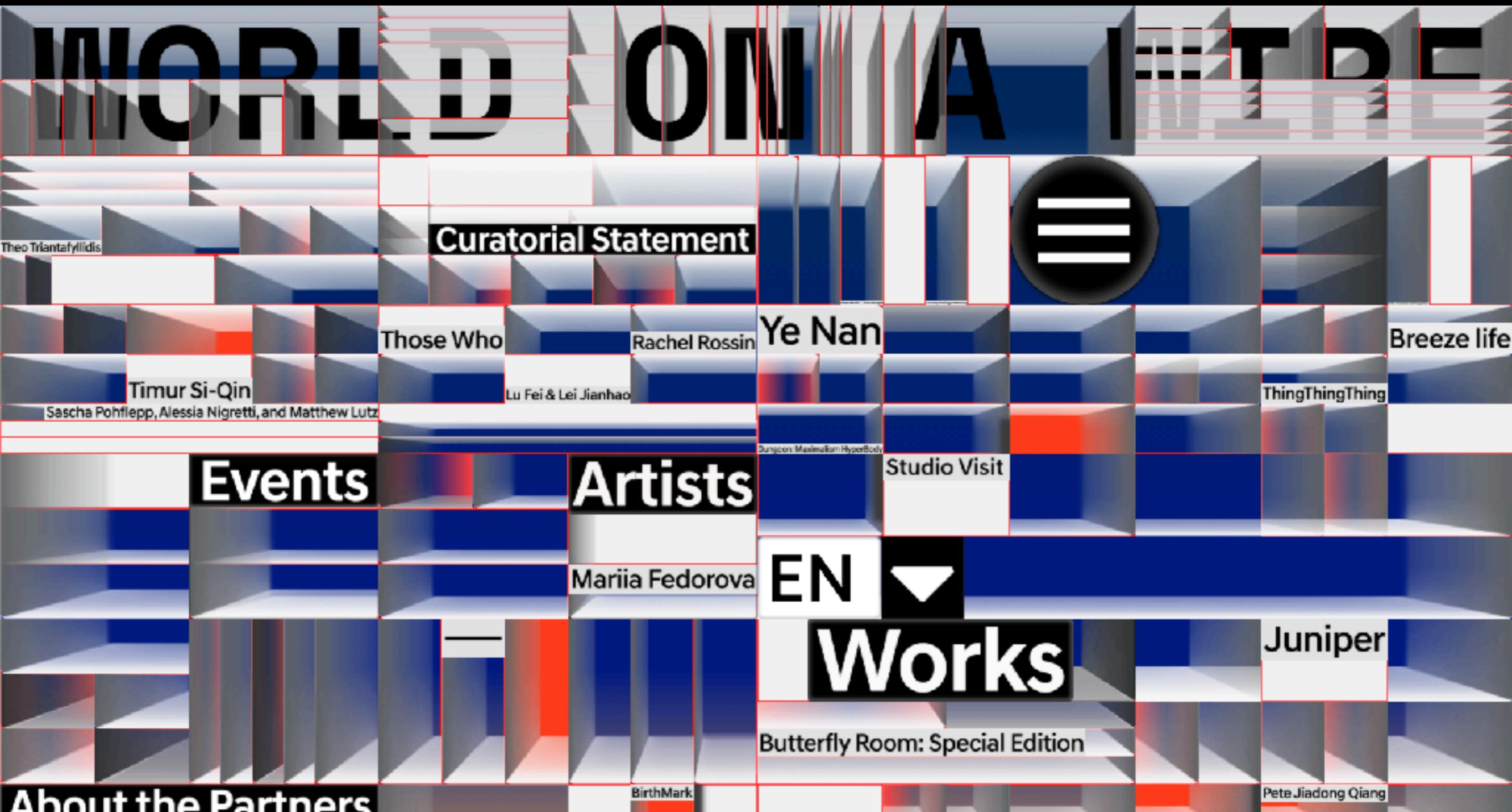
<https://www.field.io/project/communion/>



# #Web #Interaction

<https://worldonawire.net/>

<https://www.instagram.com/yehwan.yen.song/>



#AR #VR

<https://www.universaleverything.com/projects/hyperspace>



#App #Game #Business

<https://developer.apple.com/design/awards/>

#PhysicalComputing #Arduino

<https://www.youtube.com/watch?v=EkvazlZx-F0>

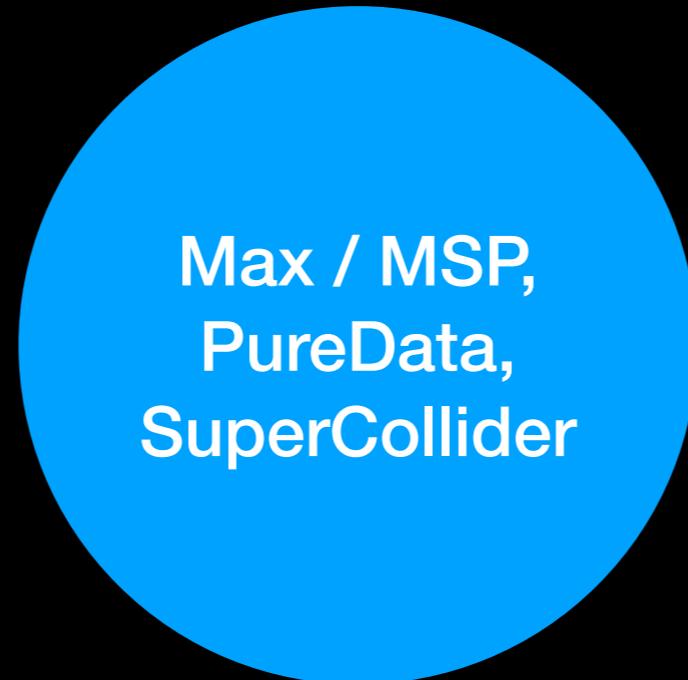
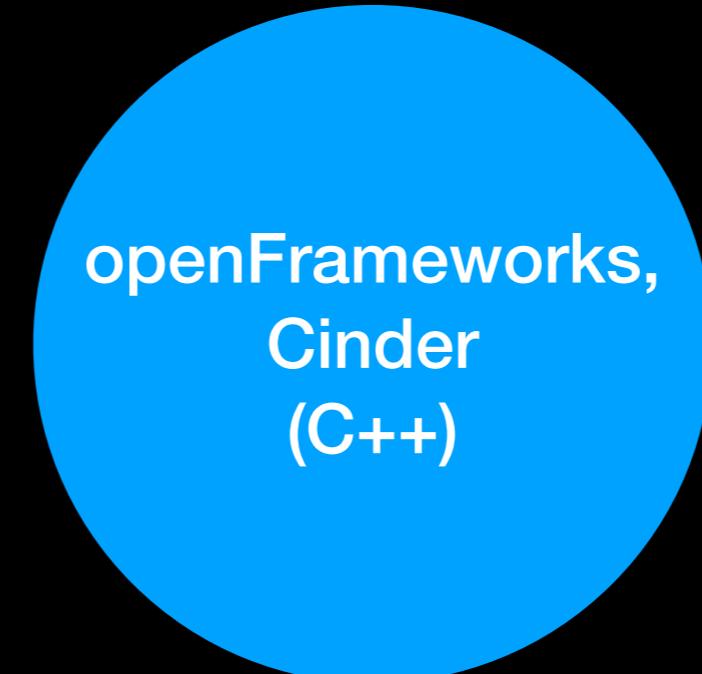
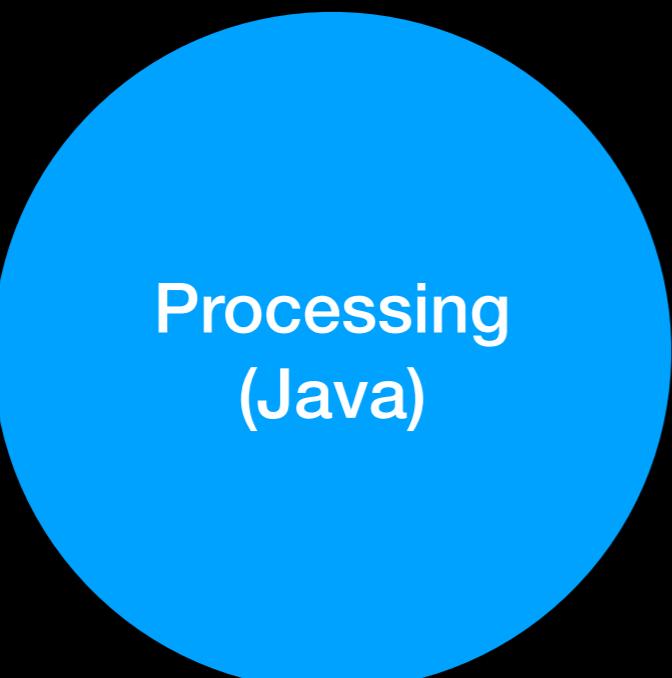


#PhysicalComputing #Arduino

<https://www.youtube.com/watch?v=kV8v2GKC8WA>



# Creative Coding



# Objectives

Learn  
Programming Basics

Understand  
Human - Computer  
Interaction

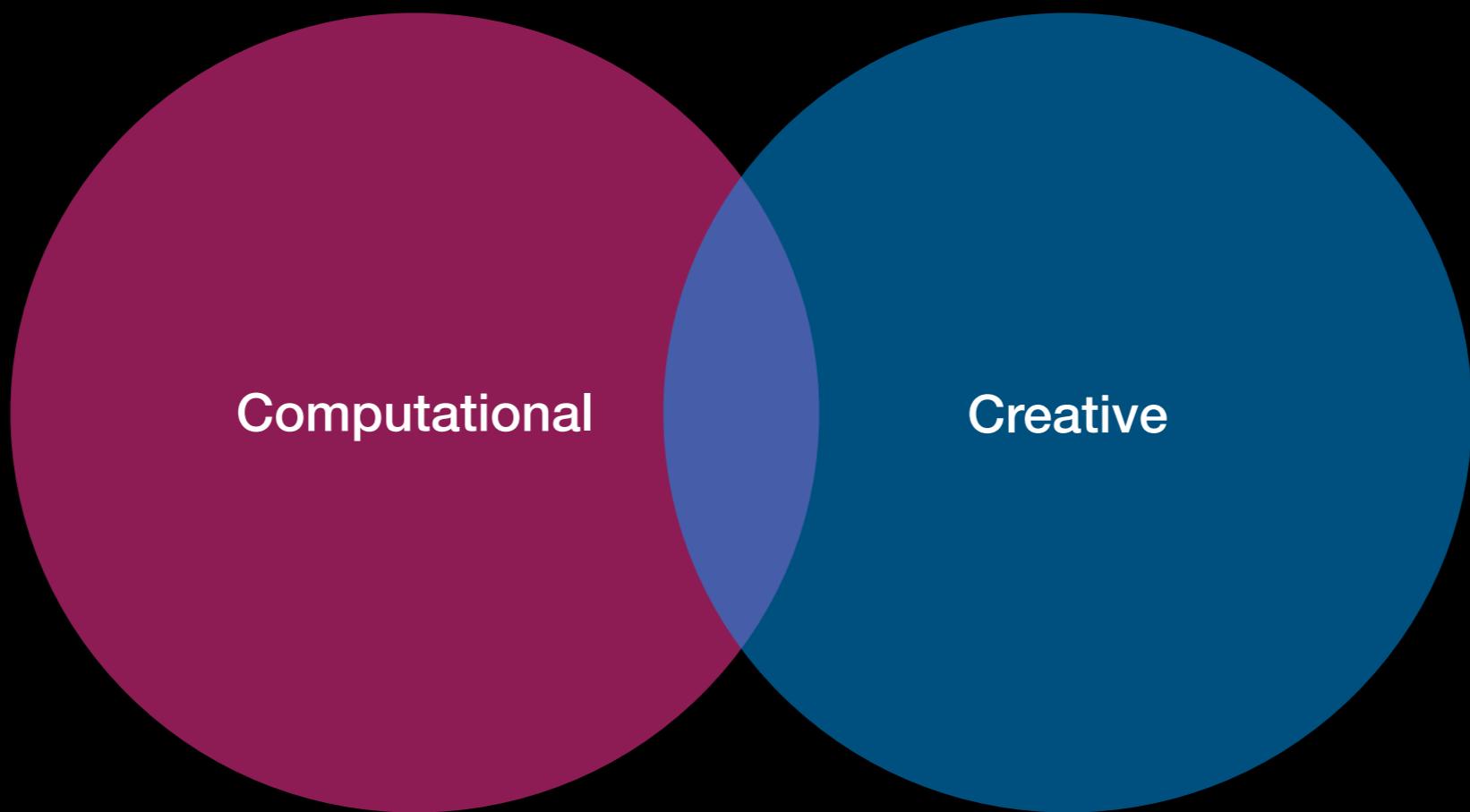
Build  
Creative Software

# Goal

Not about programming skill,

But about computational + creative thinking.

# Goal



# 계획



Drawing  
Animation  
Interaction  
Variable  
Conditional (if)  
For  
Images, Sound and Video  
Functions / Class  
p5js (web / mobile)  
Arduino



**Midterm** : Idea presentation



**Project Development** (3 - 4 weeks)



**Final Presentation**

# 수업 진행 방식

1. 주별 과제 발표 - 질문 & 답변

2. 강의

3. 예제 (코딩 실습)

4. 퀴즈...?

# 수업 난이도

코딩 완전 초심자를 위한 수업

하지만...

# 커뮤니케이션

**질문 대환영**

수업 / 코딩 질문은 모두 Github에서

**결석사유 등은 이메일로**

[young@youngsangcho.com](mailto:young@youngsangcho.com)

# 컴퓨터

코딩 가능한 컴퓨터 (랩탑, 데스크탑)

줌

카메라 활성화

마이크 활성화 (발표시)

# 성적

출석 (5%)

2 지각 => 1 결석

3 결석 이상 - F

주별 과제, 퀴즈 (40%)

기말 과제 (40%)

중간고사 = 과제 아이디어 프레젠테이션

태도, 참여 (15%)

No cellphone, internet browsing

Active participation encouraged

A+ / A / B+ / B

# 질문

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- + 주 관심분야 in 디자인
- + 이 수업을 듣는 이유.
- + OOO를 배울 수 있겠지? 만들 수 있겠지?
- + 프로그래밍 경험 (무엇이든)

# 과제 1 / 4

Processing 다운로드 + 설치

[www.processing.org](http://www.processing.org)

# 과제 2 / 4

과제 블로그 만들기 (기존 블로그 사용해도 무방)

Naver / Egloos / Wordpress

모두에게 공개

이미지, 비디오 embed 가능한 스킨

복사 허용

# 과제 3 / 4

Processing  
제너레이티브 디자인 1 과제 중, 가장 마음에 드는 과제를 골라 공유하기.

블로그 포스트 올리기

제목 : 1주차 과제

내용 : 화면 캡쳐 + 코드

<http://youngcho.egloos.com/6629816>

# 과제 4 / 4

www.github.com 가입하기

[https://github.com/youngsangcho/generativedesign2\\_2021](https://github.com/youngsangcho/generativedesign2_2021)

수업 예제 코드, PDF 등 공유 용도

Issues - 질문답변

Discussions - 과제 제출

# 과제 4 / 4

질문답변

과제

The screenshot shows a GitHub repository page for 'generativedesign2\_2021'. The URL in the address bar is 'github.com/youngsangcho/generativedesign2\_2021'. The repository name is displayed prominently at the top. Below the header, there are several navigation links: 'Code' (highlighted with a red circle), 'Issues 2', 'Pull requests', 'Discussions' (highlighted with an orange circle), 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The main content area shows a list of recent commits:

- youngsangcho Update README.md (yesterday) d0f3ea9 5 commits
- Week0 week 0 (yesterday)
- .DS\_Store week 0 (yesterday)
- README.md Update README.md (yesterday)

Below the commit list, there is a file viewer for 'README.md' containing the text 'Generative Design II'. At the bottom of the page, there is a footer with the text '서울시립대 산업디자인과 2021년 2학기 수업'.

# 과제 기한

매주 월요일 밤 10시