

Generative Design II

조영상

Designer + Developer
모임 별 byul.org

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Website
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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.

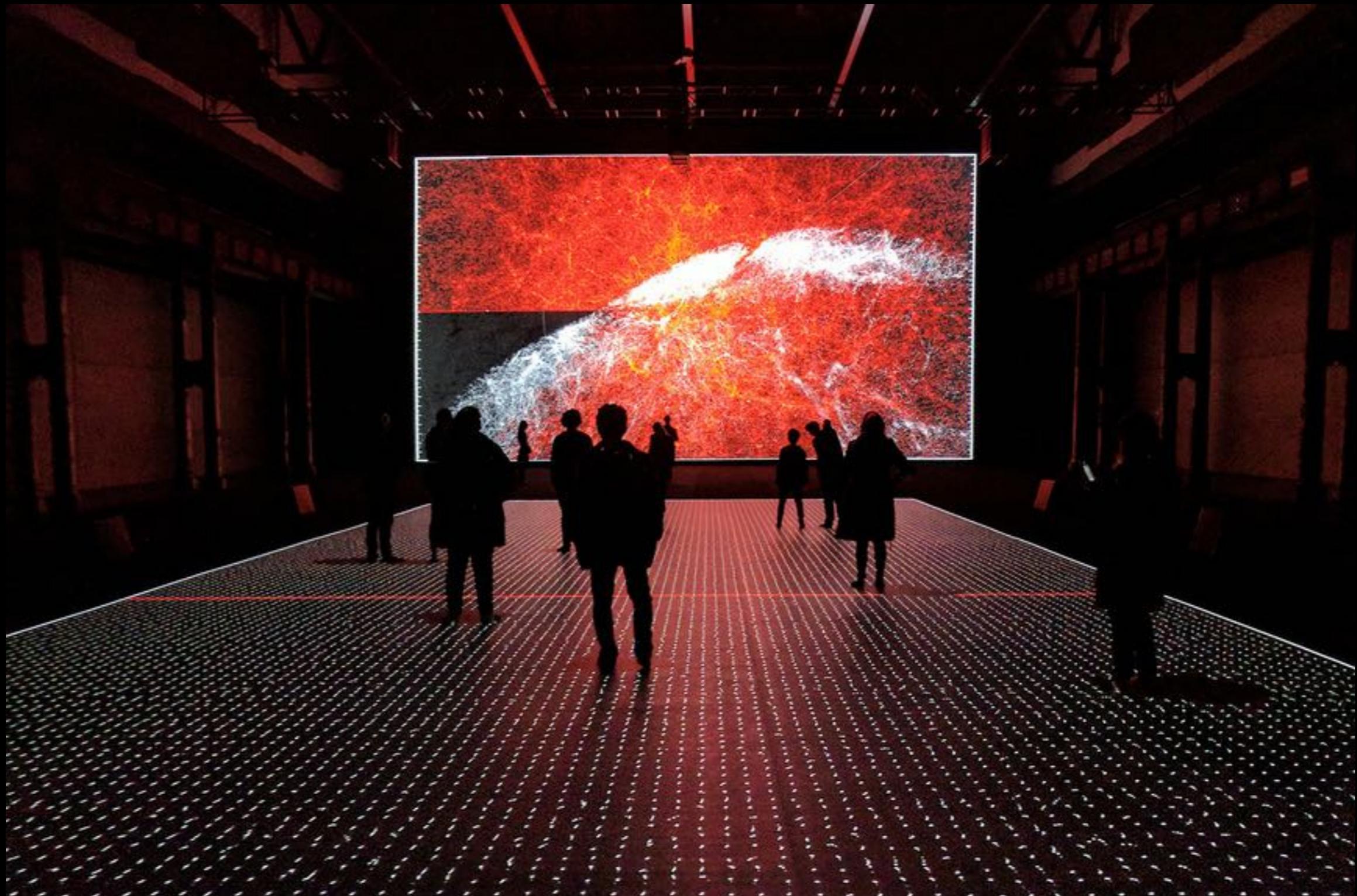
#MediaArt #Data #MachineLearning

<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>



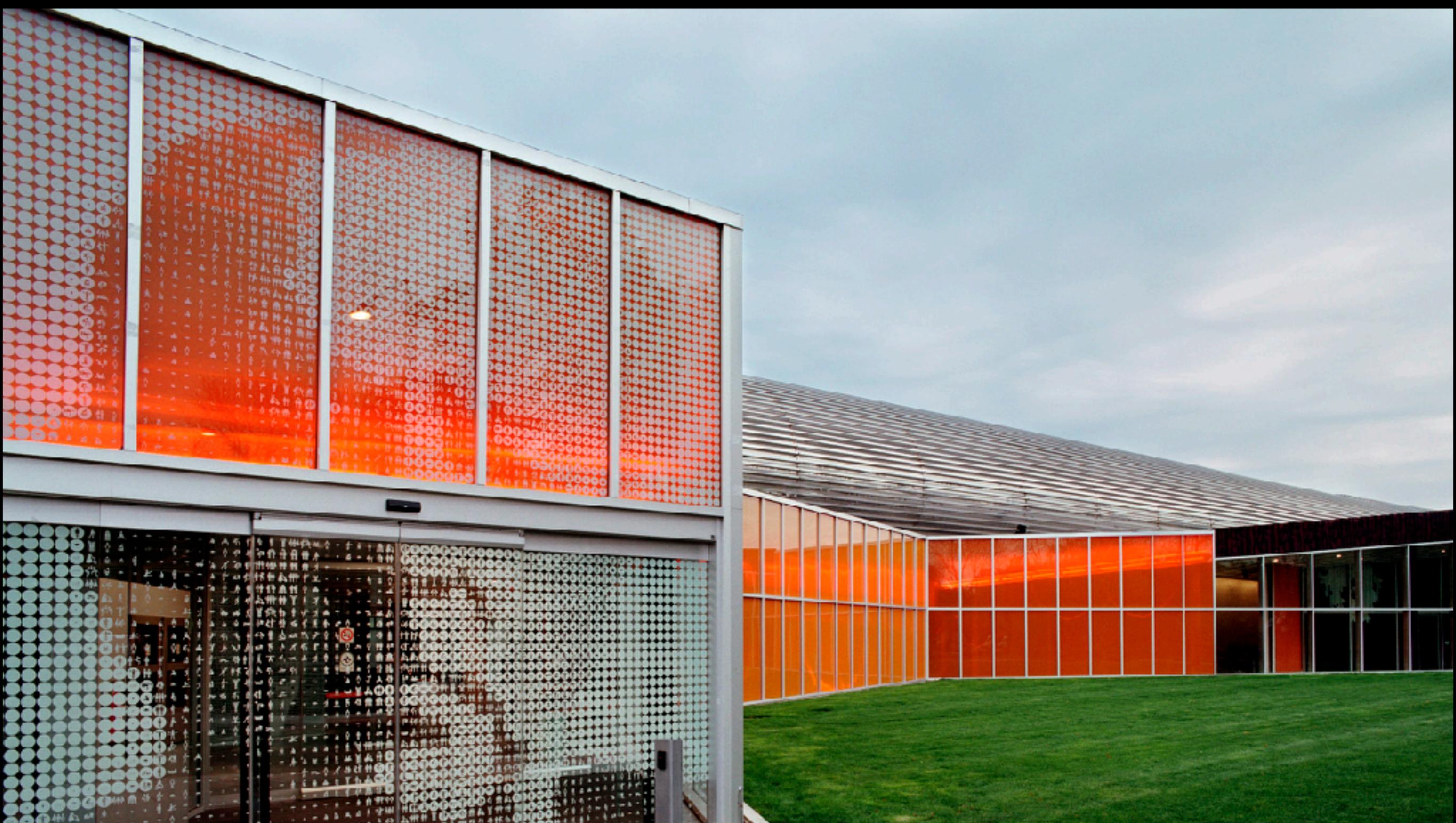
#Experience #Exhibition

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



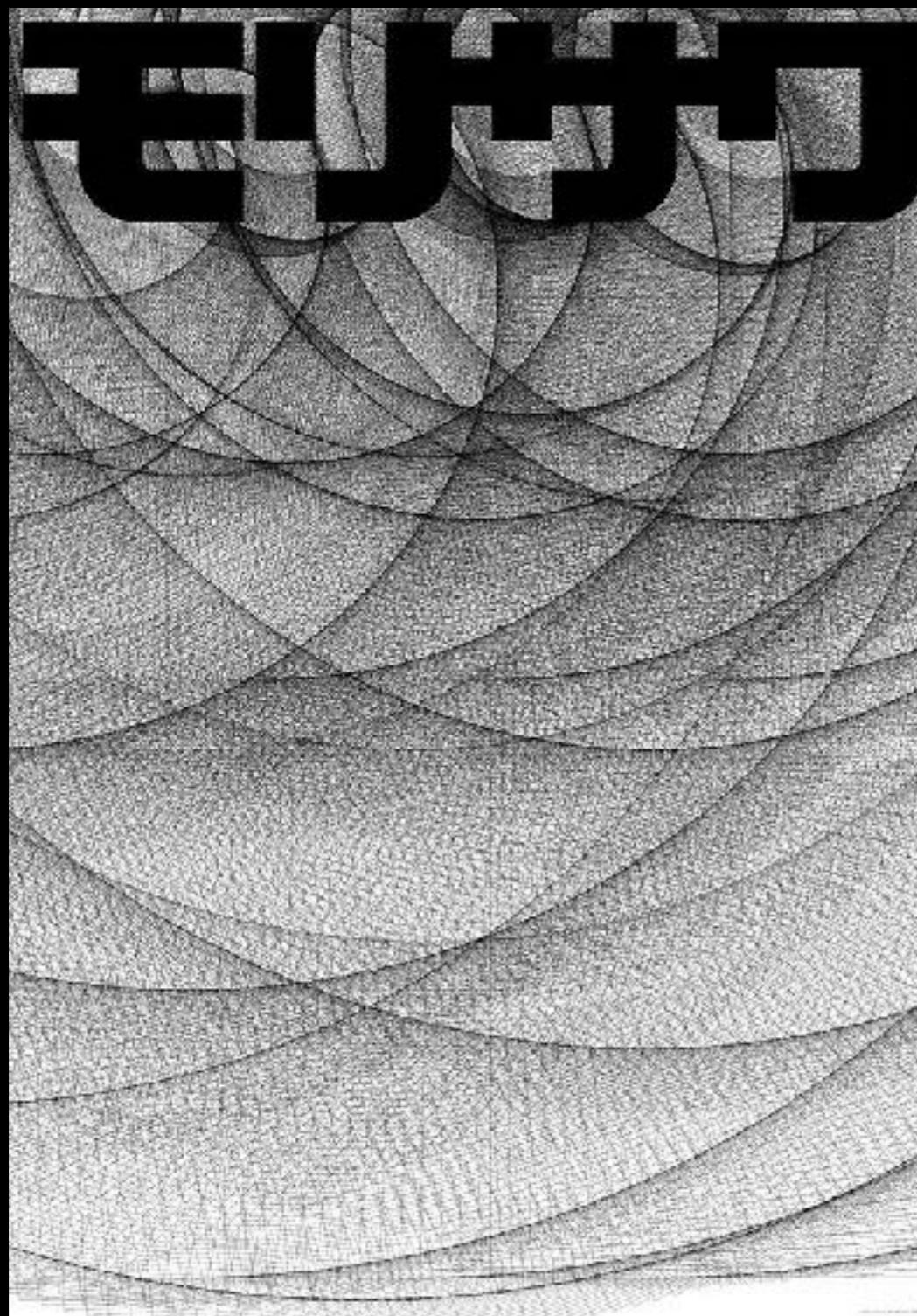
#Design

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



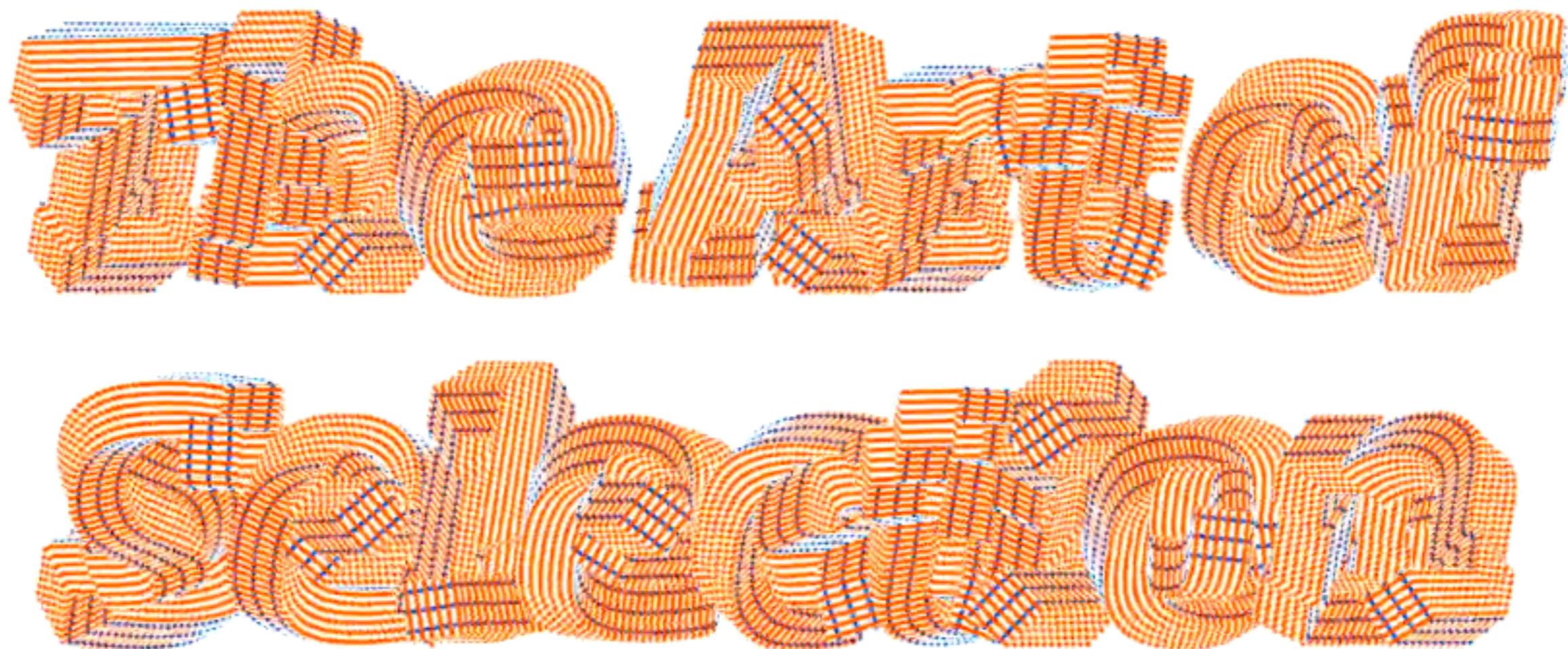
#Design

John Maeda



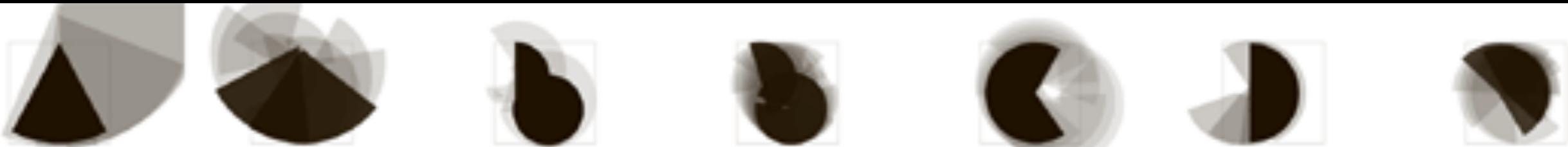
#Typography

<https://kyuhashim.com/>



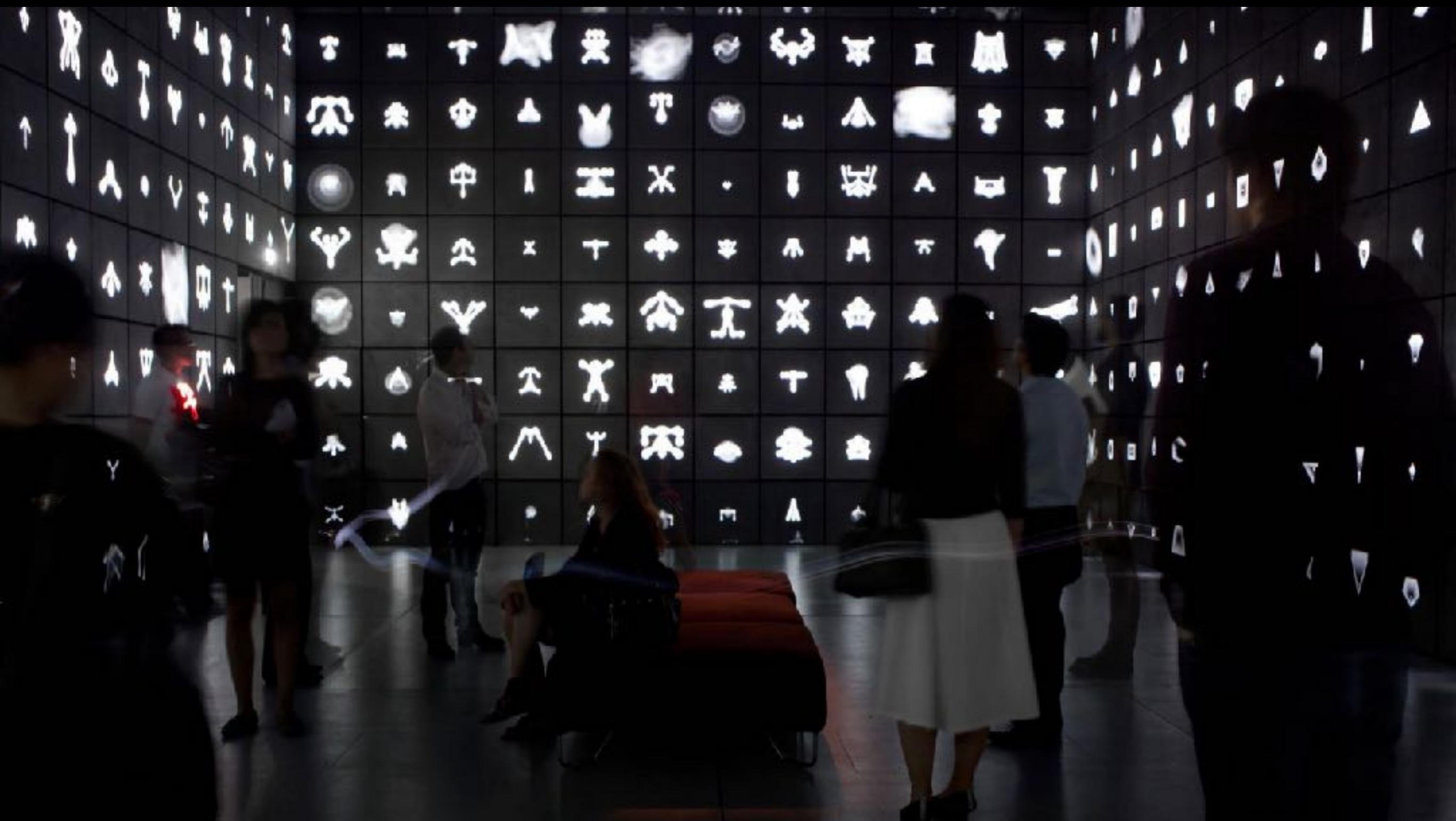
#Typography

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



#Generative

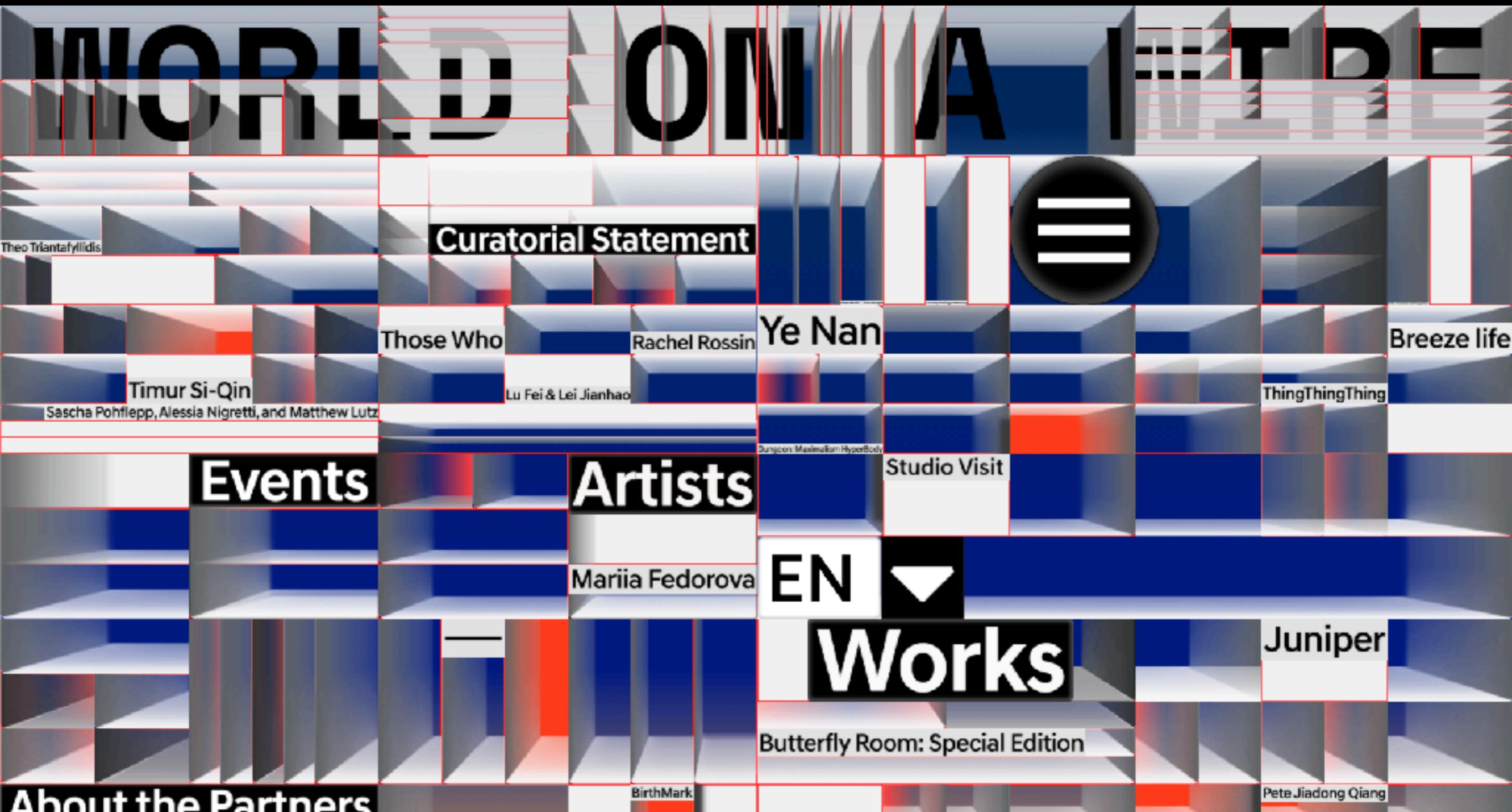
<https://www.field.io/project/communion/>



#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>

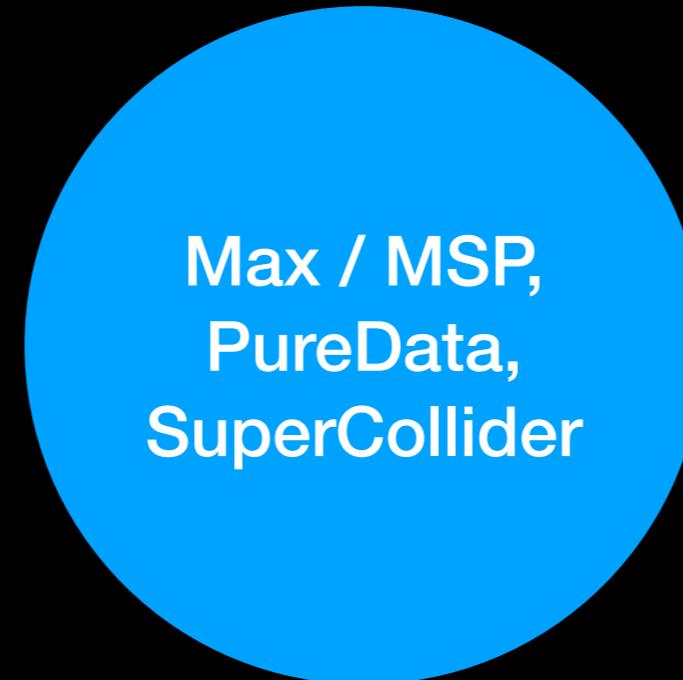
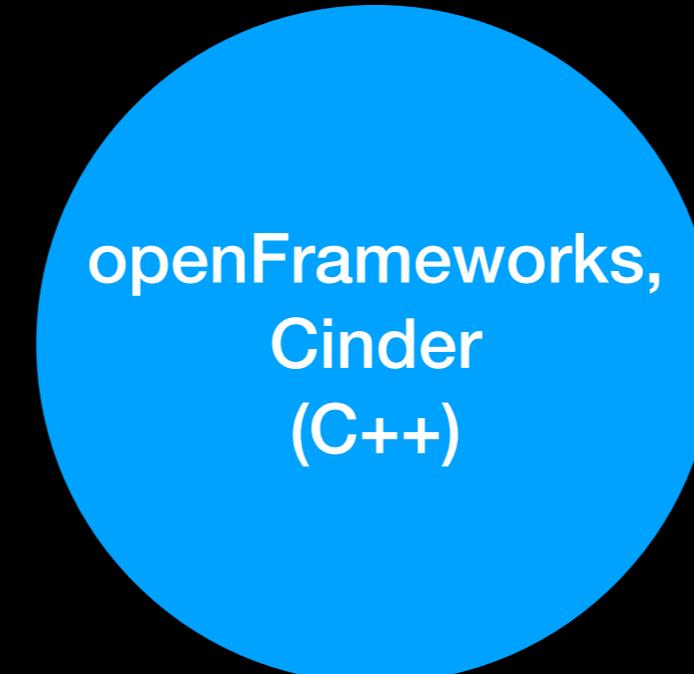
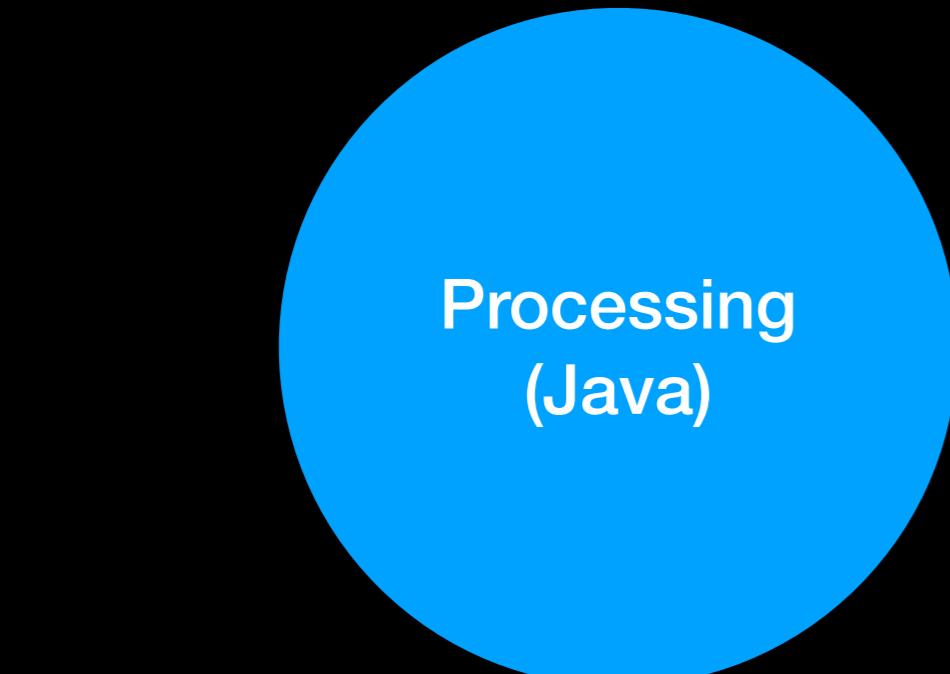


#PhysicalComputing #Arduino

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



Creative Coding



Objectives

Learn
Programming Basics

Understand
Human - Computer
Interaction

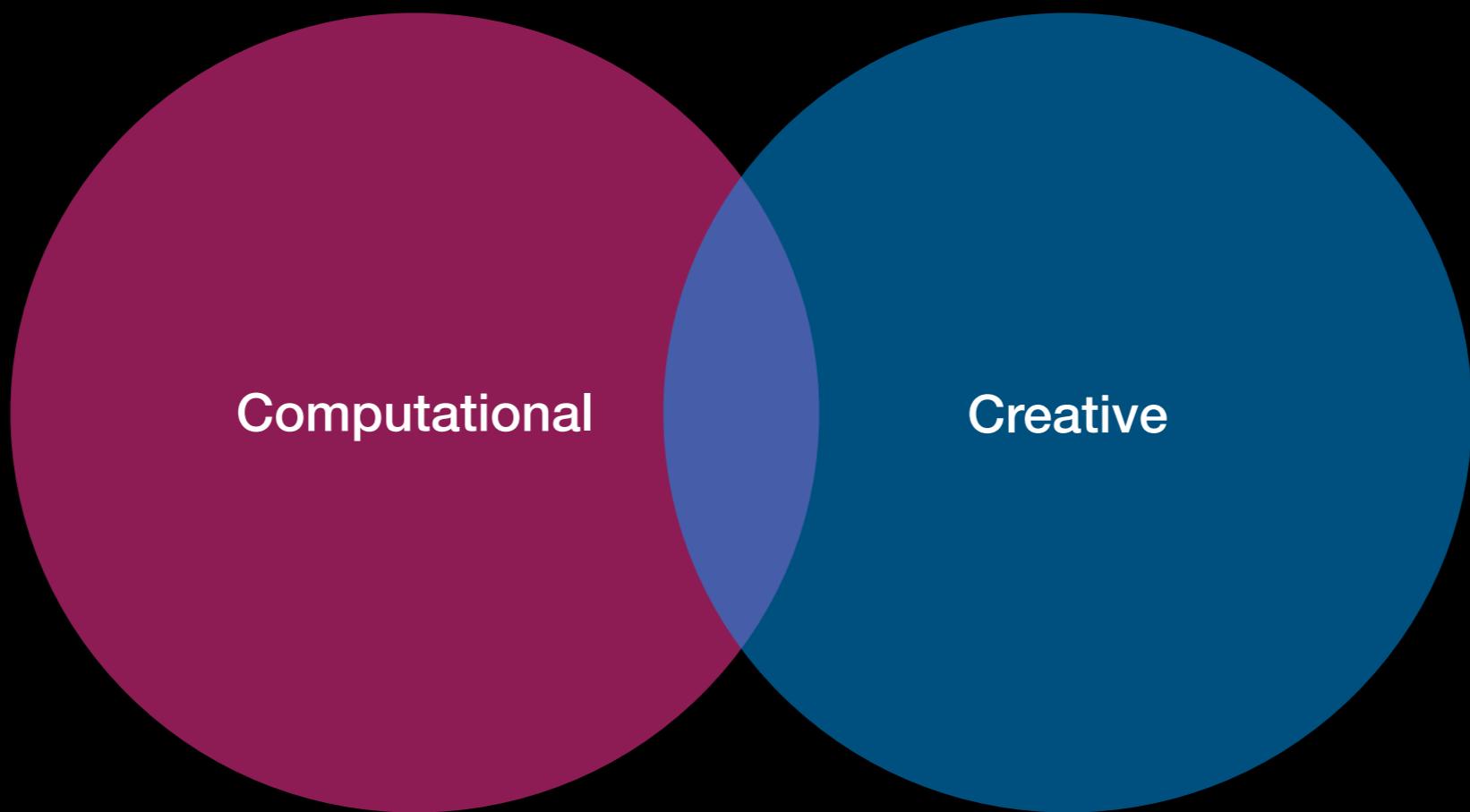
Build
Creative Software

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

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?
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과제 1 / 4

Processing 다운로드 + 설치

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
File - Examples - 선택
Run (play) 버튼 눌러 실행

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

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 'youngsangcho / generativedesign2_2021'. The main navigation bar includes 'Issues' (circled in orange) and 'Discussions' (circled in orange). Other tabs like 'Code', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings' are also visible. Below the navigation, there's a summary of 1 branch and 0 tags. A commit history shows a recent update by 'youngsangcho' to 'README.md' yesterday at 'd0f3ea9' with 5 commits. The repository description is '서울시립대 Generative Design 수업'. The 'About' section includes a 'Readme' link. The 'Releases' section indicates 'No releases published' and 'Create a new release'. The 'Packages' section says 'No packages published' and 'Publish your first package'. The 'Languages' section is partially visible. At the bottom, it says 'Generative Design II' and '서울시립대 산업디자인과 2021년 2학기 수업'.

과제 기한

매주 월요일 밤 10시