

Creative Coding

Introduction

COD 207 - Week 01 Class →



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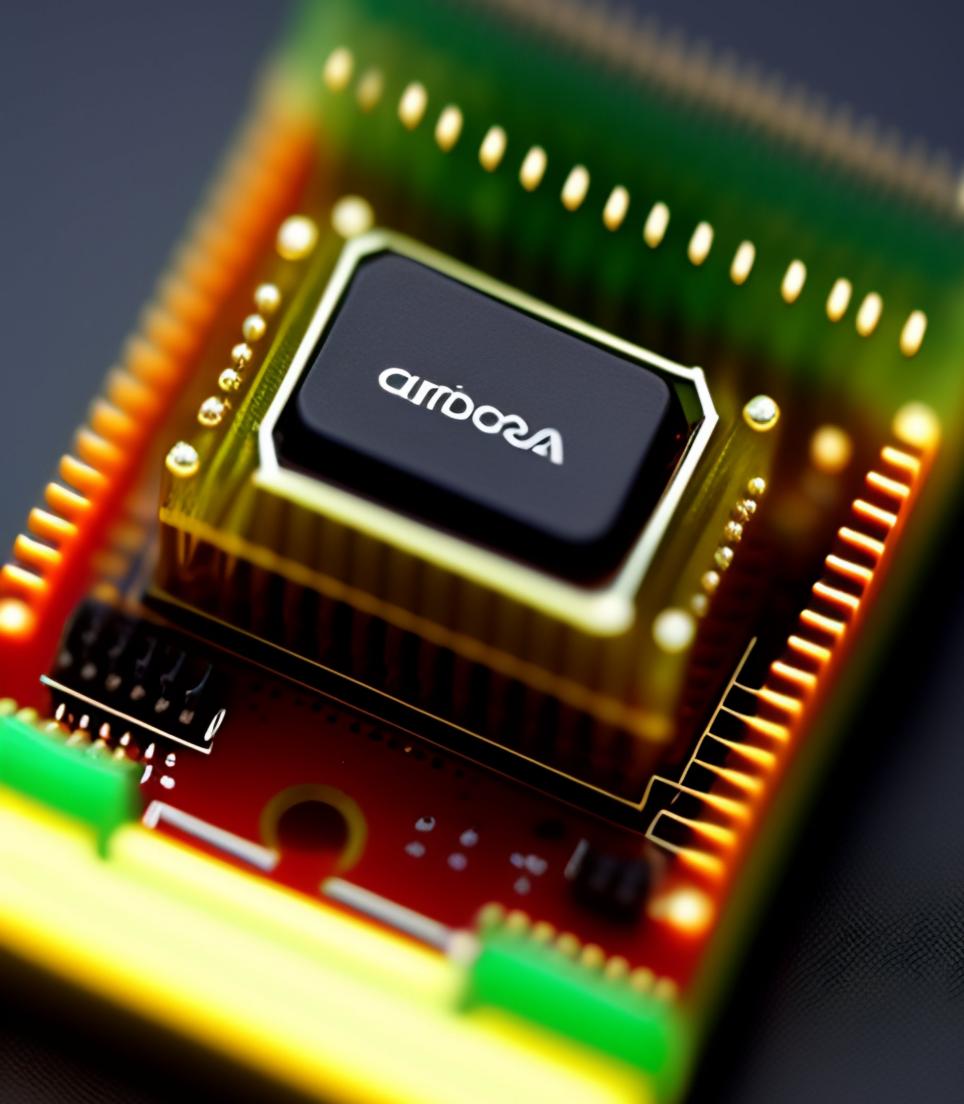


Creative Algorithms - Generative Design & Creative Coding Art



CREATIVE ALGORITHMS





Technology & Hardware

- Computer, Web Browser
- Reading
- Listening
- Asking
- Typing
- P5JS (Programming Language)

Required Books

Make: Getting Started with p5.js

Making Interactive Graphics in JavaScript and Processing

by Lauren McCarthy, Ben Fry, and Casey Rea

P5JS Books 



Books on Creative Coding, Algorithmic Art, and Philosophy

- Generative Design, Benedikt Gross, Hartmut Bohnacker, Julia Laub and Claudio Lazzeroni.
- Learn JavaScript with p5.js, Engin Arslan
- Aesthetic Programming: A Handbook of Software Studies, Winnie Soon, Geoff Cox.
- A Philosophy of Software Design, John Ousterhout Clean Code, Robert C. Martin
- Generative Art A Practical Guide Using Processing, Matt Pearson

Learning Tools

- [OpenProcessing Community Page - Sign Up](#)
- [p5js Editor - Sign Up](#)
- [p5.js Tutorials by Daniel Shiffman/Coding Rainbow - YouTube](#)
- [Homepage | p5.js \(p5js.org\)](#)
- [Latest p5.js topics - Processing Foundation](#)
- [Reference | p5.js \(p5js.org\)](#)
- [Examples | p5.js \(p5js.org\)](#)

Social Media → Hashtags & Accounts

#p5js

#generativeart

#algorithmicart

#creativecoding

#codeart

#generativedesign

Course Materials

Course instructor distribute the necessary pdf documents, videos and sound recordings



Syllabus

Go to LMS and view the syllabus → ⌂ download





Grading

- Assignments 30%
- Final Project 30%
- Presentation 10%
- Attendance 30%



Variables

```
1 // Declaration of variables  
2  
3 var missed_assignment_Count;  
4 var missed_class_Count;  
5 var missed_final_project;
```

Condition 1

```
1 // Number of missed assignments
2
3 if(missed_assignment_Count > 3) {
4     failed();
5 }
```



Condition 2

```
1 // Number of missed classes  
2  
3 if(missed_class_Count > 3) {  
4     failed();  
5 }
```



Condition 3

```
1 // Missed Final Project Submission & Presentation  
2  
3 if(missed_final_project >= 1) {  
4     failed();  
5 }
```



That is why you fail.



BREAK

10 mins.

LUSION

Glitch Art is a visual style that is distinctive because of intentionally curated digital distortions. These intentional errors create a unique and identifiable design style.

Omertà

Southern Italian code of conduct based on honor and conduct. It places great importance on silence in the face of questioning by authorities or outsiders; non-cooperation with authorities, the government, or outsiders, especially during criminal investigations; and willfully ignoring and generally avoiding

Randomseed Instagram Account

COD 207 Randomseed Instagram Account

Dualism

The conviction that all the

ROCK 'N' ROLL

new semestre: 2023 Spring



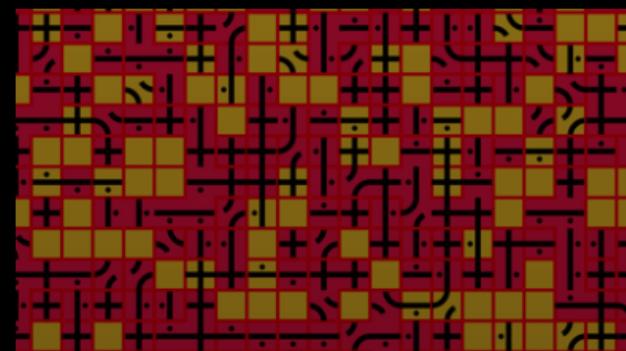
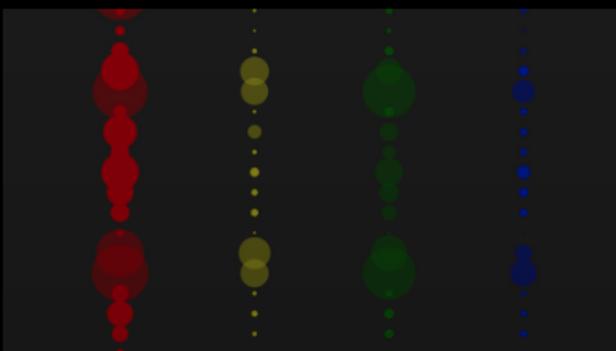
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COD207, 2023_SPRING



w05_İzel_Ergül
COD207, 2023_SPRING



w05_İzel_Ergül
COD207, 2023_SPRING



Safari Fájl Szerkesztés Nézet Előzmények Tárolt



Google

Gmail

Facebook

YouTube

Térkép



YouTube HU

Youtube Playlist

Includes documentation and how to videos



Kezdőlap



Felkapott

Creative Coding Selected Student Works



Feliratkozás

KÖNYVTÁR

Előzmények

Creative Coding?





unnamed soundsculpture (by Daniel Franke & Cedric Kiefer) at Louise Alexander Gallery





Becoming a Creative Coder -- Designer vs. Developer #7





Creative Coding p5.js 0101 What is creative coding

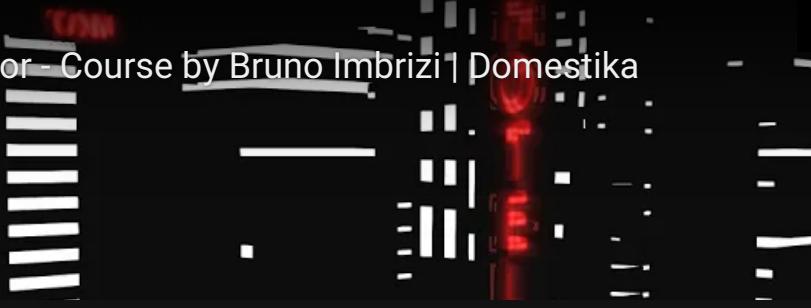




Learn Advanced Creative Coding



Bruno Imbrizi



RandomSeed Community Statement

This class is intended for students interested in exploring the creation of art and design with technology. We are a community of, and in solidarity with, people from every; `gender identity` and

`expression`, `sexual orientation`, `race`, `ethnicity`, `language`,
`neuro-type`, `size`, `disability`, `class`, `religion`, `culture`,
`subculture`, `political opinion`, `age`, `skill level`,
`occupation`, and `background`.

In practice

No need to be 🙄 🙅 🙊

- 👉 We insist on actively engaging with requests for feedback regardless of the frame.
- 💯 We believe in the power of community and all types of communication.
- ⛑ We are always willing to offer help or guidance.
- 🤔 You are here to ask questions, not to be questioned. We are always willing to listen.



Code of Conduct



Be mindful of your language. Any form of impolite conduct is deemed unacceptable.

Be respectful. Disagreement is not an opportunity to attack someone else's thoughts or opinions. Although views may differ, remember to approach every situation with patience and care.

Be open minded. Embrace new people and new ideas. Our community is continually evolving and we welcome positive change.





Hulk Vs Loki - Puny God



Paylaş



İzlemek için:  YouTube

Assignment 1

Take a sheet of paper and ruler. Draw the instructions below.

1- Mark 100 random points on a A4 sheet.

2- Draw circles around each point with a random radius.



Assignment 2

- Review the following page → <https://p5js.org> 
- Sign Up and create your personal account on P5JS editor .
- Sign Up and create your personal account on OpenProcessing .
- Watch the videos mentioned in the class
- Read the "Preface", "Chapter 1", Hello from the book and practice on P5JS editor.
- Research about Vera Molnar, Frieder Nake, and Sol LeWitt. Choose one of them and upload one of the artists algorithmic art image.

