

Creative Coding

Winter / Spring 2017

with Jason Mandel



Topics:

Processing
Arduino
Circuits
Sound Art
Generative art
Story telling with Code
Design Process

Artists to look at:

Lauren McCarthy
Casey Reas
Tega Brain
Daniel Shiffman
Taeyoon Choi
Zach Lieberman
YesYesNo
E. Roon Kang

Cheat Sheet Reference:
processing.org

Functions:

`void setup() { }` - put your settings here

`void draw() { }` - put your code here

`line(x1, y1, x2, y2);` - starting x, y and
ending x, y

`rect(x, y, w, h);` - x y positions, width height

`ellipse(x, y, w, h);` - x y positions, width height

`fill(r, g, b);` - set colors

`stroke(r, g, b);` - sets border color

`strokeWeight(int);` - give a number for line size

`size(w, h);` - sets the canvas size

`background();` - choose bckgrnd color

`rectMode(CENTER);` - centers rect

`ellipseMode(CENTER);` - ditto

Variables & tricks:

`mouseX` - get mouse x pos

`mouseY` - get mouse y pos

`cmd + t` - cleanup code

`println("Mouse x pos: " + mouseX);`

`println("Mouse y pos: " + mouseY);`

tweak mode.