



Intro to Creative Computing (AAT2004-01)

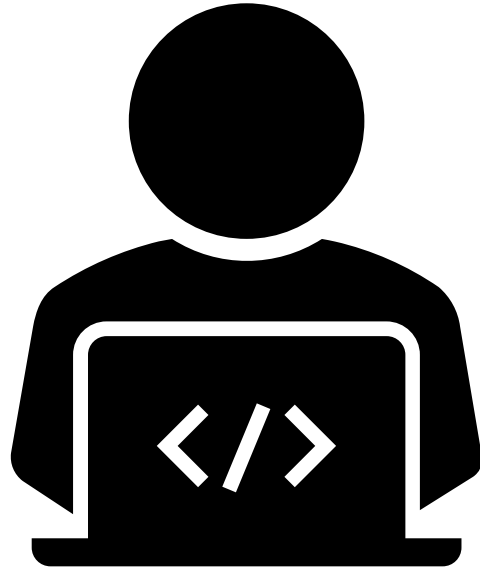
Spring 2020
Sogang University


Final Project

About me

Name: Inho Kim
ID: 20161577

A senior student with
passion when it comes to
coding.





**“Art imitates life and,
sometimes, life imitates art.
It's a weird combination of
elements.”**

—Bruce Wills

Inspiration - 1

During some holiday or event, we often see pictures of some high buildings with a huge pattern or drawing by turning lights on for certain rooms.





Inspiration - 2

Comics and cartoons are very popular ways to be entertained with, especially the web-based cartoon or 'webtoon'.





Motivations

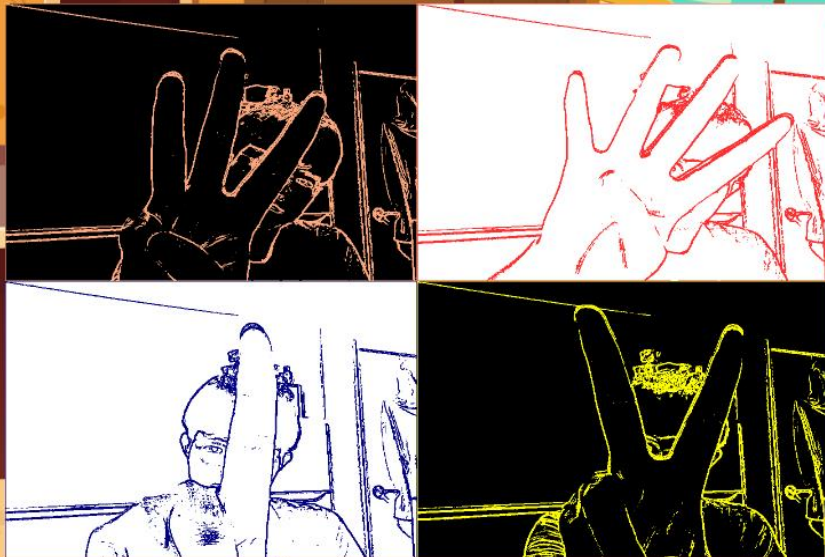
At-home entertainment

The long lasting 'stay at home' campaign during the COVID19 pandemic has made people to find new ways to entertain themselves at home.

Simple and humorous

Window light pattern display and webtoons are very easy to perceive, while also delivering humor or message to the viewers.

Self-cartoonify



About the application

Title: Self-cartoonify

Short description:

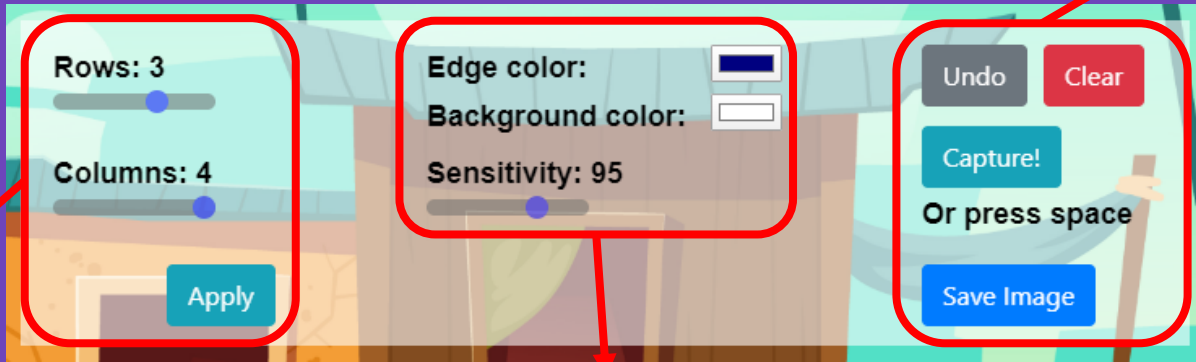
Create a cartoon-like image using the webcam.

Link:

<https://editor.p5js.org/kimih12/sketches/CfFX1UTG7>

Features – UI controls

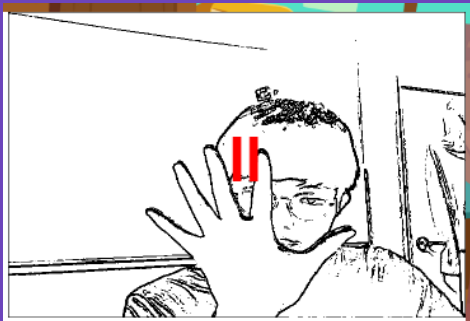
Capture or undo the capture, clear the cartoon, or save the cartoon as an image file.



Control the dimensions of your cartoon.

Change the colors and edge detection sensitivity of the current scene.

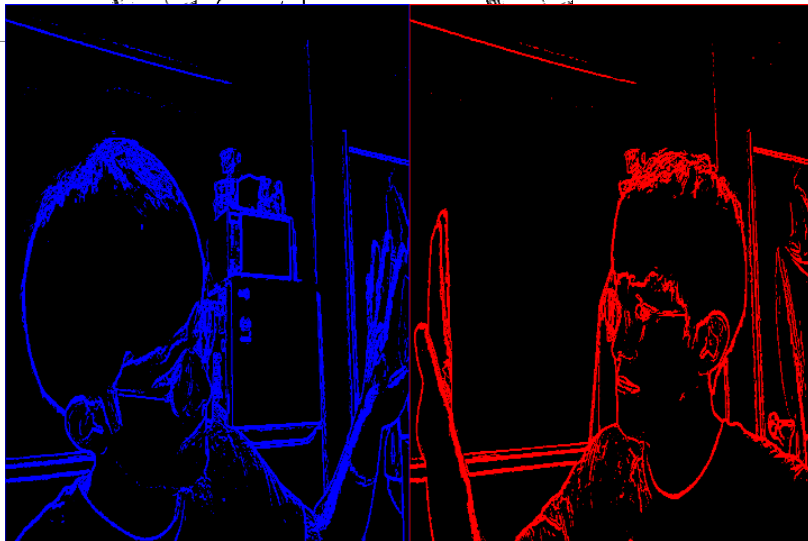
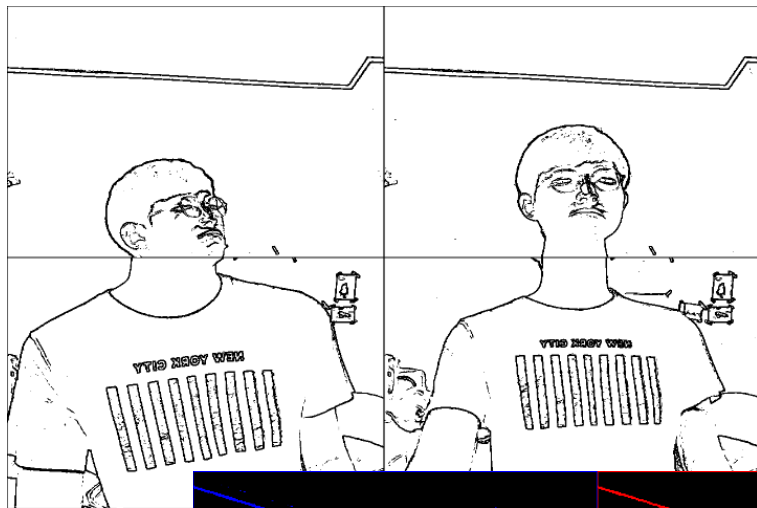
Features – Canvas



When the capture button or spacebar is pressed, red bars are shown in the center of current scene, indicating the timer for the snap.

Preview the cartoon
you are creating!

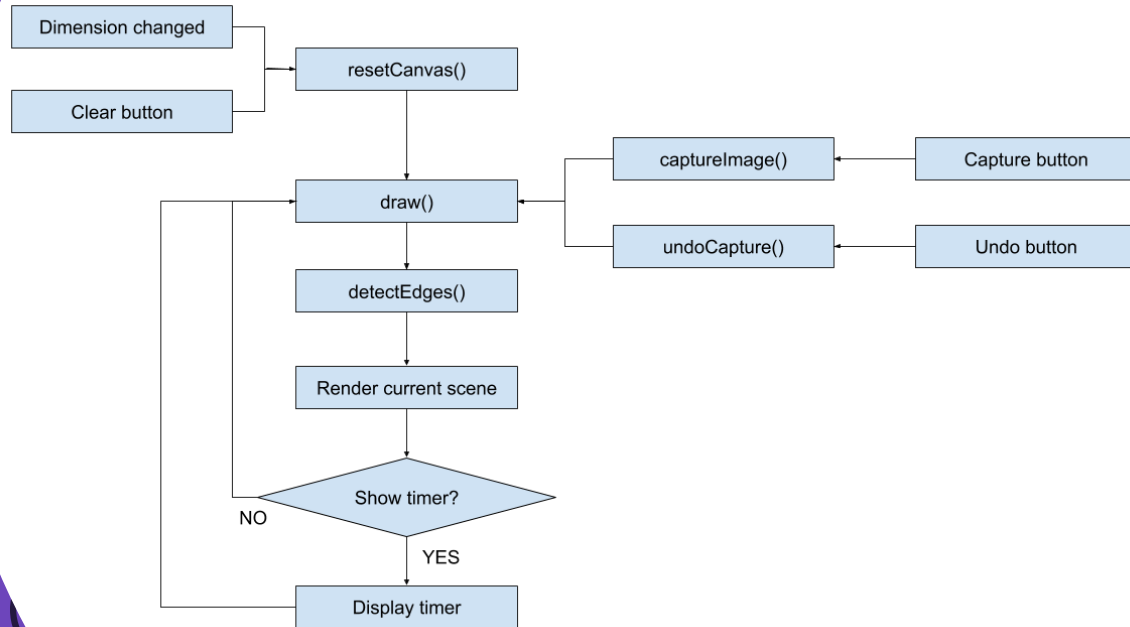




Sample
cartoons

Algorithm

This flowchart describes the general flow of the algorithm. Each UI control change has an associated function with it that triggers changes in the canvas.



A cluster of abstract geometric shapes in the top-left corner, including several small cyan circles, a larger cyan circle, and three parallel diagonal lines in black and yellow.

Thanks!

A cluster of abstract geometric shapes in the bottom-right corner, including a cyan circle, a yellow arc, a yellow paperclip-like shape, a thick pink diagonal bar, and a yellow rounded rectangle containing four small cyan circles.



Credits

- ◀ Presentation template by [Slidesgo](#)
 - ◀ Icons by [Flaticon](#)
 - ◀ Images & infographics by [Freepik](#)
 - ◀ Author introduction slide photo created by Freepik
 - ◀ Text & Image slide photo created by peoplecreations - Freepik.com
 - ◀ Big image slide photo created by bedneyimages - Freepik.com
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