CS 120 All-section Art Show

### Judging instructions and information

Fall 2018

***THANK YOU*** *for devoting time today to serve as a judge for our beginning programming students.* Students in our CS 120 (Computer Science 1) course created the collages you are reviewing today. This course is the first programming course that CS majors and minors take. They submitted the collage you see today as the third project of the course, approximately half way through the semester.

**Student project specifications:**

To help you understand what it is you are seeing today, it may be helpful to know what the students were asked to do for this project. I am not asking you to evaluate the collages according to whether they meet these specifications, but rather am providing the boundaries within which the students were operating as they created their collage. This might provide you some insight as to why they made the choices they made.

Students were to create a collage of modified images by using the Python programming language. Although the students could have created these collages by using an image-editing program, they were instead required to write code to create these collages programmatically by manipulating individual pixels. To earn full credit for the project, their submitted collage had to satisfy the following requirements:

1. Start with a blank canvas that was at most 736 pixels wide by 1000 pixels tall or 1000 pixels wide by 736 pixels tall.
2. Place any number of different images on the blank starting canvas. However, one of the images must be included at least five times: once in its original form, and at least four more times modified in some way, using at least four different modifications.
   1. Each of the four image modifications must alter the original image’s appearance in some noticeable way.
   2. The student must create, or significantly modify at least one of the modification algorithms.
3. Sign the collage using a chromakey-*like* (think special effect green screen) function by using an image containing their signature on a white background.
4. The final collage must be appropriate for all ages to view.

**The selection process leading up to today:**

The students in each of the course sections selected what they felt were the best collages from their section via two rounds of in-class voting. What you see exhibited today is the top 20% from each section, based on the students’ voting.

**Your task today:**

Please review each of the collages exhibited today. We are asking judges to evaluate the collages on two categories: aesthetic quality, and code quality and difficulty. *(If you do not feel qualified to evaluate the quality of the programming code, simply leave that portion of the evaluation form blank.)* As you consider each collage, determine a numeric value to assign to the collage ranging from 1 to 10, where 1 is the worst, and 10 is the best. You are not ranking the collages, but rather assigning a level of quality to each one. That is, you can assign a particular number to as many collages as you feel deserve it. Please try to provide a range of numeric values to the entries, as appropriate.

**Awards:**

The show organizers will combine and summarize the scores from all of today’s judges to determine the following awards:

* Best of show (overall): 1 award
* Best of show (aesthetic quality) – 1 award
* Honorable mention (aesthetic quality) – up to 2 awards
* Best of show (code quality) – 1 award
* Honorable mention (code quality) – up to 2 awards
* Best of section (aesthetic quality) – 5 awards (one from each section)

A given submission will only be selected for one award.