**Project Reflection Paper: Learning to program; programming to learn**

**Reflect upon the following questions that focus primarily on your preparation process for completing the project, as well as on your learning.** Some of them may be answered with a simple “yes” or “no”.

1. Did you underestimate or overestimate the amount of time needed to complete each step involved in the project?

*Underestimated*

1. Did you schedule time each day to work on the project?

*Yes*

1. Did you review and understand the rubric for the project?

*Yes*

1. Did you recheck the rubric before turning in your project? Did you make sure that your project met all the expectations?

*Yes*

1. What did you find the most challenging aspect of this project? Why?

*Debugging my code when I thought everything should be working but wasn’t*

1. If you got help from someone(s), who helped you? What was the nature of the help?

n/a

1. What did you find the easiest aspect of this project? Why?

*Setting up the editing functions*

1. What do you feel was the most beneficial thing you learned from working on this project? Why?

About collages and photo canvas manipulation.

1. What changes could I make to the project that would improve it for future learners? Why?

Not sure, I think it’s fine as is.

1. What did you do differently for this project that you talked about on a previous project reflection paper? *(Skip this question for Project 0.)*

*Used the book a lot more for this than with other projects.*

**This reflection should be formatted well, contain appropriate use of the English language, and be submitted as part of the file set you submit for your project.**

*Admittedly this project was more difficult for me, mostly because while setting up the function to put the canvas together, I had a mishap with a bug I couldn’t debug as I thought the code should run, but it did not. In the end I got through it, and the photo at the end did look nice enough for me to think it was good. I was able to alter tinges as well which was pretty interesting, and was able to come out with a nice alternating pattern of the image I selected in segments. The negative function was a key function I used as well, because it was meant to represent the alternate with chaos and I set it up to show in a 1-3-6 form.*