

For this project, I worked on the integration between C# and the Python code. I also worked on the image generation code using Python. Through this project I was able to learn a lot more about AI and how it generates images specifically. How it takes the user input, uses that to adjust weights and then can output an image that closely matches with what the user requested. I also learned more about integration; I'd previously done some integration work for other classes but it wasn't done well. This project allowed me to learn more about how I could use libraries and other methods to do integration internally for a project, without relying on previous downloads.

I specifically wrote out the initial Python code and the C# code that used Python.NET to call python and run the create.py code using a user input, though I did not get the input itself. My biggest obstacle was trying to get the integration to run on a local machine without python installed. Had python been installed, I could do things like call the command line from the C# code but we want the application to be stand alone so that wasn't an option. I did successfully get Python.NET to work, even on a computer that didn't have python installed though which I would consider my biggest success.