Since the last blog post, several key developments have been made in building a Logo-istics prototype. The first critical development was installing stable diffusion 2.1 locally so that I could be able to generate images through Google Colab. Using stable diffusion I was able to train concepts that are fine-tuned versions of stable diffusion for specific objects or styles. Using some sample Champlain logos I found online I trained a very simple concept to generate some concept logos of both the Chauncey mascot and the regular Champlain College logo. 

Ex.1 Champlain College Logo Ex.2 “Chauncey-like” mascot logo

The next advancement that I made was creating a massive image dataset of about 8800 logos from some of the most popular brands in the world. Due to the model input demands, I had to resize all the images to 528 by 528 pixels. This caused a lot of images to be unusable after resizing so I had to manually go through and prune the dataset to keep quality images. The next step is going to be either BLIPing the full dataset or just a subsection of the best-quality logos. BLIP, which is the opposite of CLIP, does is take an image and converts it into words. BLIP can be used to interpret what a computer sees in an image by prompting the BLIP model. For example, one could ask BLIP for the perceived style of an image or a color scheme. By BLIPing the dataset for certain prompts we can then use that as the training dataset of the final fine-tuned stable diffusion model.