

Release Plan

Product: Image Segmentation Website

Team: Superior Global Solutions Inc.

Release Name: “How to learn Image Segmentation”

Release Date: Thursday, July 25, 2019

Revision Number: 3

Revision Date: 7/20/19

High Level Goals:

- Able to upload image and receive a segmentation.
- Update network with each new image.
- Create a website that can deploy a machine learning model
- Create a website that is user friendly: has all of the information on the homepage, has links that jump to each section, and is informative.
- Create a website that can teach someone the basics to Machine Learning and image segmentation.

User Stories for each Sprint:

Sprint 1:

- As a machine learning student, I want to be able to upload an image to a website so I can eventually get a segmented copy.
- As someone who wants an image segmentation I would like to be able to process the image right from the home page so I don't need to struggle navigating the website.

Sprint 2:

- As a machine learning student, I would like to observe an image segmentation for my images so I can get a better understanding of computer vision and compare with my model.
- As someone who wants to learn about image segmentation, I would like a website to teach me about it and its usages so that I can gain a better understanding about the field in one place.

Sprint 3:

-As a Machine Learning student, I would like to observe image segmentations for my images from a website so I can learn about the model and see how it handles edge cases.

-As someone who wants to deploy a machine learning model, I would like to see the code and test the model so I create one myself.

Product backlog:

- Allow CNN to be updated/trained on user images.
- Expand the range of acceptable image formats (gif, png, etc)
- Increase speed of processing.
- Add a section for uploading User trained models so they can compare accuracy with the model online.