

Sprint 3 Report
Image Segmentation Website
Superior Global Solutions Inc.
7/21/19

• **Actions to stop doing:**

- Overlapping work. Many of the moving parts of the project conflict, but creating more of a dichotomy between task would be beneficial if the project were to continue.

• **Actions to start doing:**

- Set more small deadlines for tasks within the Sprint.

• **Actions to keep doing:**

- Organizing meetups. We need a good job of communicating our schedules and meeting up.
- Meeting with the TA. TA has helped us restructure, and we have scheduled several longer meetings for the future.
- Giving each other resources to learn. Members have contributed articles on topics to help other members learn.
- Positive encouragement. The work atmosphere has been exceptional.
- Adapting to necessary changes. Being flexible is an essential part of the Scrum framework.
- More consistent conversation. Being more active in the group chat and having more detailed conversations during meetings, would provide more collaboration and potentially less mistakes.
- More accurate estimations. With any inexperienced group the task estimation is difficult.
- Efficient documentation.

• **Work completed:**

- 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.
- 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.
- **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.

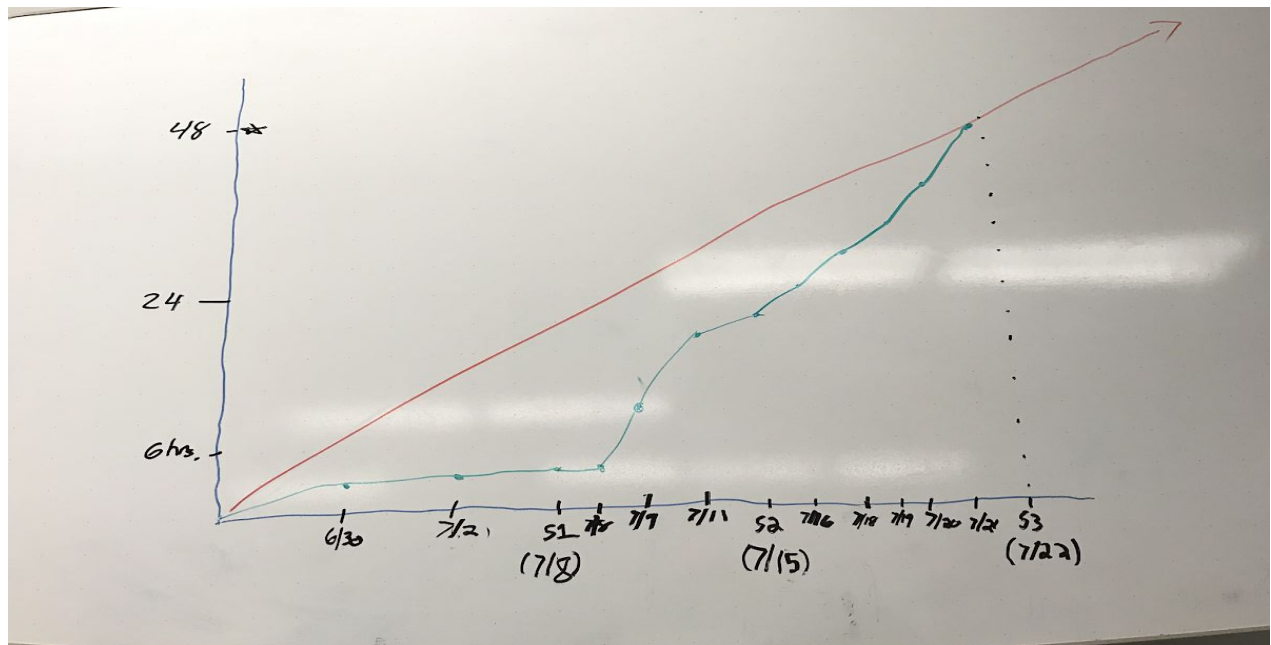
• **Work Not completed:** (only the product backlog)

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.

• **Work completion rate:**

- The last two user stories from the sprint backlog were completed. This happened while meeting 6 days this week, completing as estimate of **23** task hours and about 20 hours of meeting.



Learn Image Segmentation



Personal



Private

DS

CM

T

YD

R

Invite

User Story



As a machine learning student, I want to be able to upload an image to a website.

As someone who wants an image segmentation I would like to be able to process the image right from the home page.

As a Machine Learning student, I would like to observe image segmentations from my images.

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.

+ Add another card

Not started



+ Add a card

In Progress



+ Add a card

Completed



Implement web2py built in image uploading.

Set up database to receive and store images.

Implement flask framework

Design homepage with necessary fields

Install Flask

Create a general outline for where everything will be on the web page

Foundations for python processing backend.

Connecting trained model to current website

Create and save pytorch model.

"How to" section of the website.

Setup Docker on local machine

+ Add another card