

Senior Design Bi-Weekly Status Report; Fall 2020

Team Name: sdmay21-32

Team Members: Michael Boyle, Dylan Hodge, Dylan Smith, Jeff Kinard, Mark Endeshaw, Sam Hassebroek

Report Period: Aug 31-Sept 13

Summary of Progress in this Period

- Each member downloaded the necessary software we need to complete this project.
 - We set up our Gitlab repository.
 - We set up CI/CD on Gitlab.
 - We created shell scripts to download the required softwares on Mac and Linux.
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Pending Issues

- We need to figure out if this project is going to be used for new data.
 - We need to figure out how important speed is from the client with regards to our algorithms.
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Plans for Upcoming Reporting Period

- We will undergo the manual masking and annotation of images for use in our machine learning algorithm. Each member will do this process for 18 images.
 - We will convert the manual Gimp output to a coco dataset using cocosynth.
 - We will experiment with Mask-RCNN architecture.
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