WEEKLY REPORT and MEETING AGENDA

Report #: 7 Project Name: Traffic Light Detection and Tracking
Date: 3/21/23 Prepared by: Morgan Roberts

Agenda for the weekly meeting

1. Discuss updates on the ONNX format quality issue
2. Ask about using statistics to determine which lights to ignore

Accomplishments during this period

1. Converted output to ONNX format, which is required for our project
    - Worse quality
2. Identified issues with MCity link
    - unable to run certain bag files
    - pushcart bag files are from last year's data

Plans for next period

1. Improve ONNX format output
    - less of a priority according to clients
2. Develop a solution for removing lights which are further away from being recognized
    - Use statistics to group lights based on size and then only look at the closest set.
3. Prepare CDR presentation and report
    - Due next tuesday
4. Talk to Dee Wang about MCity link

Project management status

1. Schedule and milestones
    - Improved Yolo model accuracy by removing "collages" from the data set.
        - These often cut directly through traffic lights, which confused the model.
2. Teamwork
    - Collaborated on over spring break on monday and sunday online
3. Purchases
    - None

Minutes from previous meeting

(Morgan, Clayton, Aaryan, Max, Robert)

- Located in EABC
- CDR Presentation is next tuesday
    - Pay attention to rubric
- Visitor coming from Detroit on Tuesday
    - advisor who will listen to prez
    - Worked for Boeing and now for GM
    - Great resource for technical advice with GM
- CDR might indicate if we will have an “end of semester crisis”
    - Do we have a clear idea of finishing the project?
    - Is it still in a superficial stage?
- Clayton tried to convert Model to ONNX Format from Pytorch
    - Model seems to be worse
    - Response seems to be that it’s fine
    - Might want to hand current model to advisors for review
- Identified issue with MCity link
    - unable to run certain bag files
    - Pushcart bag files are from last year’s data
    - Talk to Dee Wang (other instructor for more info)