

CAE Research Project Meeting Minutes

1-11-2023

- **Participants**
 - Dr. Farag (PI)
 - Dr. S. Ezekiel
 - Dr. Wu
 - Drew Rado
 - Emily Himes
 - Sky Semone
 - Zaryn Good
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on January 5th, 2022

Main Points:

- **Progress report**
 - Drew set up an IP web-camera as an additional sensor in our IoT system. Data collection went well, but noted that there was a period of time with a large amount of data points.
 - This should be investigated for next week before we use this data
 - 1400 data points per hour from the camera
 - Sky worked on stats and data viz python code for new plots
 - Maria worked on formatting the paper
 - Zaryn trained a DCNN and saw very high results, over 99% for all possible trainings
 - This verifies that we need to diversify the dataset.
 - Emily continued working with Drew to collect and organize results and other documents.
- **Discussion points**
 - Dr. Ezekiel mentioned that he wanted to see a time-dependent version of the data, like Sky plotted last time.
 - Dr. Farag reminded that we should all be keeping documenting our progress as we go, as this will be very useful for the papers in progress.
 - Dr. Wu asked if we plan to have a description of our sensors and our experimental setup? Details should include...
 - Hardware
 - What the dataset consists of
 - Pictures and charts of everything
 - Drew mentioned that he could make wiring diagrams for our Arduino sensor boards.
- **Tasks:**
 - Drew: continue collecting malicious data
 - Sky: help Drew collect data and analyze data once its collected
 - Zaryn and Maria: work on paper,
 - Emily: continue working on documentation and OneDrive organization.

Adjournment at 11:45 AM. Next meeting will be held on Thursday, Jan 18th at 11:10 AM