CAE Research Project Meeting Minutes
2-8-2023

- Participants
  - Dr. Farag (PI)
  - Dr. Wu
  - Drew Rado
  - Zach Keyser
  - Emily Himes
  - Maria Balega
  - Sky Semone
  - Zaryn Good
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on Feb 1, 2023.

Main Points:

- **Progress report**
  - Drew finish data collection and shared it with everyone.
    - Shared paper with Sky for review
    - Started cleaning 305.
    - Did research on PCs that can benefit the project.
  - Sky worked on data visualization and investigated stats on the new data.
    - Started helping Drew on the final write-up.
  - Maria presented results for XGBoost (99.98%) and SVM (94.6%). Also continued work on the paper.
  - Zaryn finished image conversion and presented AlexNet testing accuracy for the different train/test splits. Also helped Maria.
  - Emily uploaded version 2 of documentation.
  - Zach: made updated schematic diagrams

- **Discussion points**
  - Clean up 305 and finish organizing the testbed so it can be used easily in the future.
  - We should emphasize in the write-up that we have built a test-bed and dataset that is comparable to the IoT23 dataset in many ways.
    - Discussing why we did this and what the benefits are/ what we gained in the process is very essential to good writing.
  - Discuss why DCNN is so much slower for training and compare the time results of all of our methods.

- **Tasks:**
  - Drew: work on the visuals and diagrams for the final write-up
  - Sky: finish up data viz with new data, read over Drew's paper
  - Zaryn: continue training DCNNs, helping with write-ups as needed.
  - Maria: work on writeup
  - Emily: continue work on documentation.
  - Zach: finalize schematics with help from Drew and Sky.

Adjournment at 12:00. Next meeting will be held on Thursday, Feb 15th at 11:10 AM