CAE Research Project Meeting Minutes
3-08-2023

- Participants
  - Dr. Ezekiel
  - Dr. Wu
  - Zach Keyser
  - Maria Balega
  - Sky Semone
  - Emily
  - Hector
- Meeting started at 11:15 AM
- Unanimously approved minutes for meeting on Mar 1, 2023.

Main Points:

- **Progress report**
  - Maria: started the scholars forum poster. Proofread paper.
  - Drew worked on publication draft and poster. Set up new computer and explored ways of making the network more complex with Sky.
    - Focus creating smaller attacks, like the IoT 23 dataset.
    - Changing various parameters of the attacks will provide more variability.
  - Sky proofread Drew's paper and shared plotting code with Emily.
    - Spent time looking into the diversity within various IoT-23 collections compared to the combined dataset.
  - Zaryn: has no updates.
  - Emily: working on documentation and data viz with Sky.

- **Discussion points/Comments**
  - After the meeting, everyone should be aware of how our data collection is done, and how they can help.
  - Drew gave a summary of how our data is collected and preprocessed for the ML algorithms.
  - The new IoT23 computer is done but still needs computer applications on it.
  - In the meeting, we unanimously agreed that the next meeting should be on March 22nd.

- **Tasks:**
  - Drew: continue on data collection research, working on Scholars forum poster.
  - Maria: Work on paper and continue training XGBoost/SVM as new data comes.
  - Zach and Hector: Helping Drew with assigned tasks.
  - Sky: finish up data viz with new data, continue reading over Drew's paper and explore the proposed methods for data collection.
  - Zaryn: should finish up DCNN results for Dr. Wu.
  - Emily: continue work on documentation and looking at Sky's python code.

Adjournment at 11:45. Next meeting will be tentatively held on Wednesday, March 22nd at 11:10 AM