CAE Research Project Meeting Minutes 1-25-2023

- Participants
 - o Dr. Farag (PI)
 - o Dr. S. Ezekiel
 - o Dr. Wu
 - o Drew Rado
 - Zach Keyser
 - o Emily Himes
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on January 18th, 2022

Main Points:

Progress report

- o Zaryn updated the DCNN plots for the different splits of data (60/40,70/30,80/20)
- Drew ordered new sensors which arrived later in the week.

Started data collection using these new sensors.

Resolved many of the issues with data collection that have slowed down progress.

Hector Linarez

o Maria Balega

o Sky Semone

o Zaryn Good

Sky started working on network connectivity plots that Drew requested.

Also helped Drew with data collection.

Looked over Maria code on Zelda, noticed that Maria's results might be

Maria ran SVM/XGBoost with new benign and old malicious data.

66% XGBoost and 96% SVM

Also worked on paper with Maria and Alicia.

o Emily continued working on documentation.

Discussion points

- Dr. Ezekiel wanted us to clean up 305 and make sure that everything is organized.
 Store 3d printer somewhere and see if computers on the floor work or not Make sure all computers are labelled and working
- o We need to make sure all documentation and a complete description of the testbed are being finalized soon.
- o Come up with abstracts for the upcoming spring presentations for the next week.

Tasks:

- o Drew: re-run lateral port capture with new hardware. Update network hierarchy diagrams.
- Sky: help Drew collect data and analyze data once its collected. Finish Drew's connectivity graphs.
- o Zaryn and Maria: wait for new data and run results.
- Emily: try to get sensor and testbed doc and complete description out by next meeting.
 Meet with Drew for updated network charts, etc.
- o Hector and Zach: help Emily with testbed documentation and organize 305.

Adjournment at 11:45 AM. Next meeting will be held on Thursday, Feb 1st at 11:10 AM.