CAE Research Project Meeting Minutes
1-25-2023

- Participants
  - Dr. Farag (PI)
  - Dr. S. Ezekiel
  - Dr. Wu
  - Drew Rado
  - Zach Keyser
  - Emily Himes
  - Hector Linarez
  - Maria Balega
  - Sky Semone
  - Zaryn Good
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on January 18th, 2022

Main Points:

- **Progress report**
  - 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.
  - 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.
  - 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
  - We need to make sure all documentation and a complete description of the testbed are being finalized soon.
  - Come up with abstracts for the upcoming spring presentations for the next week.

- **Tasks:**
  - 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.
  - 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.
  - 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