CAE Research Project Meeting Minutes
05-31-2023

- Participants
  o Dr. Waleed Farag (PI)
  o Dr. Soundarajan Ezekiel
  o Drew Rado
  o Jared Giesen
  o Kurtis Johnson
  o Samuel Rocco
  o Lynn Munro
  o Nathan Metzger
- Meeting started at 11:00 am
- Unanimously approved minutes for meeting on May 25th, 2023

Main Points:
- Progress report
  o Drew –
    ▪ Working on IoT test bed paper
    ▪ Collected new benign data set and shared with Kurtis
    ▪ Put documentation of data capture and lab on all 305 machines
  o Kurtis –
    ▪ Ran XGBoost on new data and determined random_state parameter is causing variability between runs
    ▪ Ran SVM with similar high accuracy results
  o Sam –
    ▪ Reviewed Drew’s documentation for data capture
  o Lynn –
    ▪ Reviewed Drew’s documentation for data capture

Discussion points
- Kurtis needs to explore the issues with XGBoost and SVM performance. Other students will familiarize themselves with Drew’s documentation.

- Tasks:
  o Drew: Finalize the IoT paper
  o Kurtis: Work on XGBoost and SVM parameters with Dr. Ezekiel
  o Sam: Continue gaining familiarity with Drew’s documentation but focus on ARMZTA

Adjournment at 11:45am
Next meeting will be held on Tuesday, June 6th at 10:00am