CAE Research Project Meeting Minutes

11/30/2021

Participants
- o Dr. Waleed Farag (PI)
- o Dr. Soundararajan Ezekiel (Co-PI)
- o Dr. Xinwen Wu
- o Zaryn Good
- o Ryan Gress
- o Cassie Lefever
- o Maria Balega
- o Alicia Deak
- o Franklin May

Meeting started at 3:00 p.m.

Unanimously approved minutes for meeting on November 23, 2021

Main Points
- o Discussed:
  - Maria & Cassie
    - Added graphs, results, and XGBoost abstract to report
    - Dropped 3 labels from preprocessed IoT23 data, ran XGBoost and achieved accuracies up to 99% with 65/35 split performing best
  - Alicia & Franklin
    - Added graphs and results to report, XGBoost precision seems to rise with 65/35 split with the extra column in the preprocessed data
  - Zaryn
    - Working on updating report
  - Ryan
    - Split ToN-IoT data into 50% malicious and 50% benign, XGBoost accuracies were still low around 50%
- o Tasks:
  - Maria & Cassie
    - Look further into XGBoost results and why 65/35 split / F2 11.25 Tf1 0 0 1 26.33 301.72 8

Next meeting will be held on Tuesday December 14 at 3:00 p.m.