CAE Research Project Meeting Minutes
12-22-2022

• Participants
  o Dr. Farag (PI)
  o Dr. S. Ezekiel
  o Dr. Wu
  o Drew Rado
  o Emily Himes
  o Maria Balega
  o Sky Semone
  o Zaryn Good

• Meeting started at 3:00 pm
• Unanimously approved minutes for meeting on December 15th, 2022

Main Points:

• Progress report
  o Drew got BYOB web-gui working and did a live demonstration.
    ▪ Drew’s latest dataset had 350,000 data points and is collecting more
    ▪ He is working on collecting more malicious data
    ▪ Dr. Farag mentioned that we should have a balanced dataset with equal parts malicious/benign this means we either need to collect more benign, or cut down the malicious data.(binary 1million/1million data split )
  o Sky is back after missing the last two meetings.
    ▪ Helped Drew with updating the Arduino code for the last few weeks.
  o Zaryn is back from vacation, talked to maria about the paper.
  o Maria was working on the paper writeup
  o Emily was working on documentation
  o Dr. Farag said to make sure all of our content is on the OneDrive, since Emily is doing a great job at organizing/improving it.

• Discussion points
  o Data visualization: Dr. Ezekiel that data visualization and statistical analysis are important for the final report.
    ▪ Dr. Farag said that data visualization will be an important part of the study and this should be explored while data collection is going on.
  o Dr. Wu is currently reviewing the paper and said that current changes look much better
    ▪ He has some other minor changes that will make the final version of the paper much better.
  o Update on TON IoT dataset paper: Dr. Ezekiel has had no communication with Alicia, but she sent some material to Maria.
    ▪ If she does not respond, it should be assigned to someone else

• Meeting time updates!
  o Next meeting: Thursday the 5th at 2PM.
  o The following meeting will be Wednesday 11th during the common hours.
  o Remember to put in hours on eTime for the next week since there will be no meeting.

• Tasks:
  o Drew: continue collecting malicious data
  o Sky: finish up python malicious data code and help Drew implement it
    ▪ Work on stats/data viz codes if time permits
  o Zaryn and Maria: work on paper
  o Emily: continue working on documentation and OneDrive organization.
  o Adjournment at 3:35

Next meeting will be held on Thursday, Jan 5th at 2:00 pm