CAE Research Project Meeting Minutes
4-07-2023

• Participants
  o Dr. Ezekiel
  o Dr. Wu
  o Dr. Farag
  o Emily Himes
  o Kurtis Johnson
  o Samuel Rocco
  o Sky Semone
  o Zaryn
  o Zach

• Meeting started at 11:10 AM
• Unanimously approved minutes for meeting on March 29, 2023.

Main Points:
• Progress report
  o Drew collected data (despite computer crashing during the main collection). Post processing occurred on Friday morning.
    ▪ Onboarded new members.
    ▪ Also recollected DDoS data to include multiple ports in the attack and gave data to Maria.
    ▪ Drew worked with Sky and Emily on the paper write up.
  o Maria: made a folder and guide for onboarding so all of her material in on the OneDrive once she leaves.
  o Zaryn: Onboarded new students on DCNN and Titan, and gave an overview of the IoT project.
  o Emily: working with Drew on paper, met with Sky with data viz stuff.
  o Sky helped Drew with data collection and met with new people on training with the existing tools.
  o Sam: trying to get familiar with tools for IoT project.
  o Kurtis: trying to get familiar with tools for IoT project.
  o Zachary: helping Drew and Sky with data viz (network graph) to improve existing tools, learning the networking structure of 305.

• Discussion points/Comments
  o Room 305 should be cleaned up for display to visiting guests on Tuesday.
  o Onboarding new students should include live demos of using the code. Zaryn and others should coordinate times for this to happen.

• Tasks:
  o Sam: Write new implementation of SVM/XGBoost, compare to the results Maria got.
  o Drew: Will finish up parsing the data and processing it. Continue writing paper
  o Maria: take the lead on the Scholars Forum poster and collaborate with Zaryn (3-dataset paper). Work on paper and continue training XGBoost/SVM as new data comes.
  o Zach and Hector: Meet with Dr. Ezekiel and learn more about the data collection process.
  o Sky: finish up data viz with new data, continue reading over Drew and Dr. Wu’s paper. Assisting Zach with data viz stuff as he improves scripts.
  o Zaryn: continue training DCNNs with new upcoming data, helping with write-ups as needed.
  o Emily: continue work on documentation.
  o Sam, Kurtis: look into OpenWRT for networking configurations.

Adjournment at 11:45. Next meeting will be held on Wednesday, April 12th at 11:10 AM