

CAE Research Project Meeting Minutes

4-07-2023

- **Participants**
 - Dr. Ezekiel
 - Dr. Wu
 - Dr. Farag
 - Emily Himes
 - Kurtis Johnson
 - Samuel Rocco
 - Sky Semone
 - Zaryn
 - Zach
- Meeting started at 11:10 AM
- Unanimously approved minutes for meeting on March 29, 2023.

Main Points:

- **Progress report**
 - 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.
 - Maria: made a folder and guide for onboarding so all of her material in on the OneDrive once she leaves.
 - Zaryn: Onboarded new students on DCNN and Titan, and gave an overview of the IoT project.
 - Emily: working with Drew on paper, met with Sky with data viz stuff.
 - Sky helped Drew with data collection and met with new people on training with the existing tools.
 - Sam: trying to get familiar with tools for IoT project.
 - Kurtis: trying to get familiar with tools for IoT project.
 - Zachary: helping Drew and Sky with data viz (network graph) to improve existing tools, learning the networking structure of 305.
- **Discussion points/Comments**
 - Room 305 should be cleaned up for display to visiting guests on Tuesday.
 - Onboarding new students should include live demos of using the code. Zaryn and others should coordinate times for this to happen.
- **Tasks:**
 - Sam: Write new implementation of SVM/XGBoost, compare to the results Maria got.
 - Drew: Will finish up parsing the data and processing it. Continue writing paper
 - 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.
 - Zach and Hector: Meet with Dr. Ezekiel and learn more about the data collection process.
 - 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.
 - Zaryn: continue training DCNNs with new upcoming data, helping with write-ups as needed.
 - Emily: continue work on documentation.
 - 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