

CAE Research Project Meeting Minutes

12-9-2022

- Participants
 - Dr. Farag (PI)
 - Dr. S. Ezekiel
 - Dr. Wu
 - Drew Rado
 - Emily Himes
 - Maria Balega
 - Zach Keyser
 - Zaryn Good
- Meeting started at 6:00 pm
- Unanimously approved minutes for meeting on December 2, 2022

Main Points:

- **Progress report**
 - Drew presented the data7.pcap file, which contained a day's worth of data collection.
 - He has started collecting malicious data and has been able to collect around 1050 packets per hour
 - Maria worked on finalizing her paper, and reached out to Alecia for a follow-up on her paper
 - Alecia was rerunning the program due to an error with a missed parameter
 - Dr. Ezekiel will reach out to Alecia for a follow-up
 - Emily met up with Drew to discuss documentation
 - Dr. Farag will be in touch to give format requirements/templates
 - Zach researched bot nets for Drew
 - Zaryn worked on revising his paper, and plans to turn it in no later than Sunday the 11th at noon.
- **Discussion points**
 - Drew was planning to filter malicious data from benign by IP address
 - Dr. Ezekiel suggested plotting two columns of data in Excel to visualize the data and calculate mean, standard deviation, and variance
 - Adding more sensors and/or decreasing the buffer time will produce more data
 - Can double the data that's collected if the server sends back a response
 - Maria confirmed that the IoT23 dataset collected data sent to and from the server
 - Dr. Ezekiel suggests decreasing buffer time to a fraction (1/4) of a second
 - Student access to Stright during winter break:
 - Dr. Farag has sent a request to the dean, who is aware that students will be using Stright over the break
 - Dean suggests bringing own heater and ensuring that it is shut off upon leaving the building
 - During weekdays of next week, the building should be unlocked, otherwise Dr. Farag and Dr. Ezekiel will be around to unlock the building if need be
 - Discussed new date and time for next meeting (see below)
- **Tasks:**
 - Drew: Send data to Maria and Zaryn for processing, document what's being worked on, and discuss what's to be done next with Zaryn and Maria
 - Maria: Preprocess the data
 - Zaryn: Finish up paper, submit to Dr. Wu
 - Zach: Continue helping out as needed
 - Emily: Continue with documentation, organizing OneDrive

Adjournment at 6:30

Next meeting will be held on Thursday, December 15th at 2:00 pm