CAE Research Project Meeting Minutes
1/12/2021

• Participants
  o Dr. Waleed Farag (PI)
  o Dr. Soundararajan Ezekiel (Co-PI)
  o Dr. Xin-Wen Wu (Co-PI)
  o Ethan Buhl
  o Cassandra Lefever
  o Alex Robbins

• Meeting starts at 11:05 AM
• Unanimously approved minutes for meeting on January 5, 2021

• Main Points
  o Updates:
    ▪ The replacement parts have been ordered for the Titan machine; it should be ready by Friday.
    ▪ SPIE conference – students will need to work on the papers, PowerPoint slides, and a video explanation for the submitted abstracts. Dr. Ezekiel will advise students on next steps for this.
  o Update on dataset:
    ▪ Alex – worked on feature extraction from raw PCAP files
  o Update on Vtech thesis for embedding network information.
    ▪ For next time: Dr. Ezekiel will find the notes on One-Hot encoding from previous research and send these to Cassie to complement her work.
    ▪ Cassie - Also, try to get a better understanding of the IP embedding that was being done in the paper.
  o Ethan and Alex: While we are waiting for the machine to be repaired, Dr. Wu will send a link to a resource we can use to start training an algorithm. Try to download/run some algorithms for next week.
  o GenCyber Camp for Middle and High School Students:
    ▪ Students in the project will help by creating/co-hosting Zoom sessions, monitoring Zoom sessions, providing technical support for individual students, etc.
    ▪ Sessions will be held:
      ▪ February 6, 7, 13, 14, 20
      ▪ 9 a.m. to 3 p.m.

• Adjournment at 12:15 PM
• Next meeting will be held on Tuesday, January 19, 2021 at 2:00 p.m. (via Dr. Farag Zoom room) pending approval from Dr. Ezekiel.