CAE Research Project Meeting Minutes
2-22-2023

• Participants
  o Dr. Ezekiel
  o Dr. Wu
  o Drew Rado
  o Zach Keyser
  o Emily Himes
  o Maria Balega
  o Sky Semone
  o Zaryn Good

• Meeting started at 11:10 AM
• Unanimously approved minutes for meeting on Feb 15, 2023.

Main Points:
• Progress report
  o Drew ordered computer parts and recollected DDOS data.
  o Sky reconfigured sensors to reset when a transmission error occurs (these have been stalling data collection over long periods of time)
    ▪ Made new data analysis tools to address the strange SVM/XGBoost results.
    ▪ Started helping Drew on the final write-up.
    ▪ Helped Maria and Zaryn to diagnose problems with ML results.
  o Zaryn modified weights and biases on DCNN models and saw a significant improvement in results. Trained most DCNNs for previous dataset.
  o Maria: determined computation time of algorithms for paper and verified data for XGBoost/SVM
  o Emily: made a floorplan of Room 305, continued with documentation.
  o Zach: worked on floorplan diagram.

• Discussion points
  o Dr. Farag wanted a poster for each 1.) Drew and 2.) Zaryn/Maria’s paper.
    ▪ Drew needs clarification on the scope of his poster so it does not overlap content with Maria and Zaryn.
    ▪ Friday March 3rd is the deadline for the Scholars Forum. It takes place on April 5th.
    ▪ Ask for help with these if needed and remember to focus on visuals.
  o Make sure room 305 stays clean as people tour our facilities.

• Tasks:
  o Drew: analyze data and send it out to everyone, continue working on paper
  o Sky: finish up data viz with new data, continue reading over Drew’s paper
  o Zaryn: continue training DCNNs with new upcoming data, helping with write-ups as needed.
  o Maria: work on paper and continue training XGBoost/SVM as new data comes.
  o Emily: continue work on documentation.
  o Zach: finalize schematics with help from Drew and Sky.

Adjournment at 11:45. Next meeting will be held on Wednesday, March 1st at 11:10 AM