CAE Research Project Meeting Minutes

12/16/2021

- Participants
  - Dr. Waleed Farag (PI)
  - Dr. Soundararajan Ezekiel (Co-PI)
  - Dr. Xinwen Wu
  - Zaryn Good
  - Franklin May
  - Ryan Gress
  - Alicia Deak
- Meeting started at 11:00am.
- Unanimously approved minutes for meeting on November 30, 2021
- Main Points
  - Discussed:
    - Maria & Cassie
      - Finish preprocessing IoT-23 dataset and run through XGBoost
      - Create graph of results for writeup
    - Alicia
      - Continue working on report and XGBoost function
      - Create SVM code
    - Zaryn & Sky
      - Continue running datasets in DCNN
    - Franklin
      - Continue working on running KDD in XGBoost and SVM, look into execution time
      - Work on DCNN abstract with Zaryn
    - Ryan
      - Look into XGBoost function and figure out why new results differ from the original
  - Tasks:
    - Maria & Cassie
      - Need to remove the NaN values to run through SVM
      - Organize OneDrive folder to contain any links (in a wordpad) of sites referenced. If possible, include the papers referenced
    - Alicia
      - Create the scatter plot function for SVM
      - Copy codes from titan to removeable drive
    - Zaryn
      - Figure out why the current dataset is running 1,000 images/hr instead of 20,000/hr.
      - Continue running the dataset
    - Franklin
• Send the graphs with a short description for each graph to Dr. Farag
• Update the report on the one drive
  ▪ Ryan & Alicia
    • Run the multiclass through SVM.
    • Compare the results with the papers
• Adjournment at 11:50am.
• Next meeting will be held on Thursday December 23 11:00am.