

# CAE Research Project Meeting Minutes

7/7/2021

- Participants
  - Dr. Soundararajan Ezekiel (Co-PI)
  - Dr. Xin-Wen Wu (Co-PI)
  - Maria Balega
  - Zaryn Good
  - Franklin May
  - Alicia Deak
- Meeting started at 12:00 p.m.
- Unanimously approved minutes for meeting on June 28, 2021
- Main Points
  - Discussed:
    - Maria
      - Ran a different capture from the IoT23 dataset (Okiru36) with 13 million lines in XGBoost and got 100% accuracy
      - Tried running dataset in SVM but got memory error
    - Maria and Alicia
      - Ran different datasets through XGBoost, SVM, and t-SNE to see comparison of results, XGBoost had slightly better accuracies than SVM
  - Tasks:
    - Maria and Alicia
      - Continue running datasets in XGBoost, SVM, t-SNE, image conversion, and one-hot encoding
      - Graph results from datasets to compare each algorithm
    - Zaryn and Franklin
      - Meet with Dr. Ezekiel to discuss wavelets
- Adjournment at 12:55 p.m.
- Next meeting TBD via Dr. Farag's Zoom room