

# CAE Research Project Meeting Minutes

8/23/2021

- Participants
  - Dr. Waleed Farag (PI)
  - Dr. Soundararajan Ezekiel (Co-PI)
  - Maria Balega
  - Zaryn Good
  - Alicia Deak
  - Franklin May
  - Ryan Gress
  - Cassie Lefever
  - Eliot Hocke
- Meeting started at 11:30 a.m.
- Unanimously approved minutes for meeting on August 16, 2021
- Main Points
  - Discussed:
    - Maria
      - Working on DBN algorithm, having issues with code/ data, DBN works best with images
      - Working on preprocessing the IoT23 data similar to the published paper
    - Ryan
      - Found 2 datasets used from the published paper
    - Zaryn
      - Met with Jackson and got DCNN code, converted images and is planning to run them in DCNN
    - Franklin
      - Started working on preprocessing the KDD dataset, having issues with the code
  - Tasks:
    - Maria & Cassie
      - Continue working on DBN
      - Work on preprocessing IoT23 data and running it in XGBoost, SVM, etc.
    - Alicia
      - Continue working on creating synthetic data
    - Ryan & Franklin
      - Look further into the datasets found and keep looking for others
      - Continue preprocessing the KDD dataset and run datasets in XGBoost, SVM, etc.
    - Zaryn
      - Run images through DCNN using binary classification
      - Compare results with XGBoost and other algorithms
- Adjournment at 12:15 p.m.

- Next meeting will be held on Thursday September 2 at 3:45 p.m. via Dr. Farag's Zoom room