

Zero Trust Research Project (ARMZTA) Meeting Minutes

12-06-2023

Participants

- Dr. Waleed Farag (PI)
- Dr. Soundararajan Ezekiel
- Dr. Xin-Wen Wu
- Jared Giesen
- Micah Sherry
- Justin Benedict
- Nicholas Reid
- Drew Rado

Meeting started at 4:00 pm

Progress Report

- Jared
 - Worked on edits and additions to the ARMZTA 6 month report
- Drew
 - Transitioning off project.
 - Working on IoT paper edits and waiting for feedback.
- Micah
 - Set up the network tap and is working on integrating it to Kafka.
 - Worked on running other variants of DCNN as well as tuning.
- Justin
 - Was out sick for the week.
- Nicholas
 - Added some additions to the ARMZTA documentations.

Discussion Points

- Two posters will be needed for the next scholar's forum
- Be sure to update Dr. Ezekiel on progress ahead of meetings

Tasks

- Team
 - Implement a static dataset model
 - Work towards a detection algorithm for live feed data
- Jared
 - Assist with on-boarding
 - Implement a simulated federated algorithm using Flower on the static model.
- Drew
 - Prepare all current students for handover, especially Micah for the Zeek-Kafka server.
 - Continue to finalize the IoT paper.

- Micah
 - Continue to run the various implementations of DCNN, and run them with varying test/train splits.
 - Help with any on boarding for Nicholas and new members.
- Justin
 - Troubleshoot the XGBoost algorithm for the static dataset and begin developing the SVM algorithm.
- Nicholas
 - Learn more about the Kafka Integration.

Adjournment at 4:55 pm

Next meeting will be held on Wednesday, Dec. 20th at 12:00 pm