**PAPER READING SUMMARY FOR CYBER SECURITY PAPER**

**POSSIBLE QUESTIONS WITH ANSWERS**

**P1.** How many differences between Deep Learning (DL) methods for cyber security and Machine Learning (ML) methods for cyber security?

**Answer:** Unanswerable

**P2.** How many hidden layers are in Deep Neural Network?

**Answer:** Multiple hidden layers

**P3.1.** In what manner are Deep auto encoders trained?

**Answer:** In unsupervised manner

**P3.1.2.** In what way is RBM, similar to auto encoders?

**Answer:** RBM are unsupervised and can be trained one layer at a time

In addition, RBM can be stacked to form multiple layers to create a DNN

**P3.1.2.** What are the two layers of RBM?

**Answer:** Input layer and hidden layer

**P3.2.** In what way is gated recurrent unit different from long-short term memory (LSTM)?

**Answer:** GRU are easier to train because they are designed to have fewer parameters.

**P3.2** What are the 2 units of Recurrent Neural Network designed for long term memory?

**Answer:** Long-Short Term Memory (LSTM) units and Gated Recurrent Unit(GRU)

**3.3** In what ordering is CNN used?

Answer: When there is spatial or temporal ordering

**P3.3.1** Is convolution n layer a type of Recurrent Neural Network?

**Answer:** No, it is a type of CNN.

**PAPER READING SUMMARY FOR UNANSWERABLE QUESTIONS FOR SQUAD**

**P1.** What is the difference between SQUAD 1.1 and SQUAD 2.0?

**Answer:** SQUAD 2.0 is more challenging and high quality

**P3.1.** What is the term used to refer to a content passage paired with an unanswerable question?

**Answer:** Negative example

**P3.1.** Is rule based the only procedure for editing SQUAD questions to make them unanswerable?

**Answer:** Unanswerable

**P4.1**. How many crowd workers were employed on the Dremo crowd sourcing platform to write unanswerable questions?

**Answer:** Not known

**P4.1.** How many minutes did the workers spend per paragraph?

**Answer:** Not known

**P5.1.** How many existing models did the writer evaluate?

**Answer:** 3

**P5.3.** Are manually generated negative examples much simpler for existing models to detect?

**Answer:** Unanswerable

**P5.4.** What makes plausible answers to serve as effective distractors?

**Answer:** This is because half of wrong answers on unanswerable questions literally matched plausible answers.