CS 410 Project Proposal

Fengchao Wang, fw9@illinois.edu

1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.
   Fengchao Wang – Captain

2. Which competition do you plan to join?
   Text Classification Competition: Twitter Sarcasm Detection

3.
   1. If you choose the IR competition, are you prepared to learn state-of-the-art IR methods like query expansion, feedback, rank fusion, learning to rank, etc.? Name some more concrete methods or tools that you may have heard of.
      N/A

   2. If you choose the classification competition, are you prepared to learn state-of-the-art neural network classifiers?
      Yes

   3. Name some neural classifiers and deep learning frameworks that you may have heard of.
      RNN, LSTM, GAN, CNN.
      Tensorflow, Keras, PyTorch

   4. Describe any relevant prior experience with such methods
      Used LSTM model to predict stock price and performed operational metric anomaly detection. Implemented with Facebook's prophet package.

4. Which programming language do you plan to use?
   Python