

CS 410 Course Project Proposal

Project Topic: Text Classification Competition

1. What are the names and NetIDs of all your team members? Who is the captain?

Individual Team	
Name: Yang, Yang	NetID: yangy19

2. Which competition do you plan to join?

Text Classification Competition

3. If you choose the classification competition, are you prepared to learn state-of-the-art neural network classifiers? Name some neural classifiers and deep learning frameworks that you may have heard of. Describe any relevant prior experience with such methods

Neural Network Classifiers:

- **Fully Connected Neural Networks**
- **CNN (Convolutional Neural Networks)**
- **RNN (Recurrent Neural Networks)**
- **LSTM (Long Short-Term Memory)**
- **BERT (Bidirectional Encoder Representations from Transformers)**
- **Attention-Based Networks**
- **Graph-Based Networks**

Deep Learning Frameworks:

- **PyTorch**
- **TensorFlow**
- **Keras**
- **Caffe**
- **CNTK**
- **MXNet**
- **DL4J**

I don't have much practical prior experience with the methods mentioned above. I am ready to learn more state-of-the-art neural network classifiers.

4. Which programming language do you plan to use?

I will use Python for this project competition.