

CS410 Fall 2020 Project Proposal

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.

Mathew Shaw, NetId: mcshaw2
I am doing the project solo.

2. Which competition do you plan to join?

I will be joining the Text Classification competition.

3. 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. 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.

I plan to use PyTorch to create the classifier for the competition. I have previously used the framework for some experimental image classification tasks. If PyTorch does not work out for this task I will look into alternatives like Keras.

4. Which programming language do you plan to use?

Python