

# CS410 Project Proposal

## Team members:

### **Team captain:**

Name: Jinning Li      NetID: jinning4

### **Team member 1:**

Name: Jialong Yin      NetID: jialong2

### **Team member 2:**

Name: Jianzhe Sun      NetID: jianzhe2

## Competition to join:

text classification competition

## Additional Questions to Answer:

**Q: 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**

A: The state-of-the-art neural network classifiers include Multi-layer Perceptron (MLP), Support Vector Machine (SVM), Naive Bayes, Decision Tree, Logistic Regression, etc. I have heard of some deep learning frameworks for text classification including RNN, GRU, CNN, LSTM, Bi-LSTM, Word2Vec, Conv-RNN, BERT, etc. My relevant prior experience includes training a Word2Vec model to transform the words into vectors and apply random forest and logistic regression after the embedding to classify text.

## Programming language:

Python