

# CS410 Final Project Progress Report

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## Which tasks have been completed?

I trained a BERT text classification model to identify tweets as ‘SARCASM’ or ‘NOT\_SARCASM’ using python/tensorflow/keras and Google Colab. I found [this tutorial](#) very helpful in the process.

As of today (11/29/20), my second submission has successfully passed the baseline f1 score performance on LiveDataLab, with a precision of 0.699, recall of 0.768, and f1 of 0.732.

## Which tasks are pending?

Although my code is functional at this point, I still need to:

- Clean up the code and write documentation
- Automate the final step of creating answer.txt (I did this manually in excel for my first two submissions)
- Create my tutorial presentation.

If I have additional time, I would also like to continue to improve the performance of my model.

## Are you facing any challenges?

Since I am fairly new to tensorflow and keras, my primary challenges so far have been getting the inputs and outputs of the model into the proper shapes and formats. I don’t anticipate significant challenges moving forward with the documentation and presentation.