Week 1

- Introductory class and choosing a topic in the field of NLP

Week 2

- Fixed on 'interpretability of transformer models' as the capstone project and worked on the proposal report

Week 3

- Gathered dataset and submitted the proposal report

Week 4

- Worked on the theory,
  Neural Networks > Recurrent Neural Networks > Encoder-Decoder > Attention > Transformer > BERT
- Looked into how BERT works at a high level
- Found a few reference notebooks where transformer models are used for sentiment classification

Week 5

- Looked at the hugging face repository and tried to implement it with the dataset

Week 6

- Continued tuning the model

Week 7

- Mid semester presentation

Week 8

- Tried to implement LIME and Captum with the models

Week 9

- Continued to implement LIME and Captum with the models

Week 10

- Worked on the github repository so that it can be reproduced

Week 11

- Looked at more results and comparisons between LIME and Captum

Week 12

- Implemented a baseline CNN model for reference and implemented LIME and Captum with it

Week 13

- Worked on the Final Report

Week 14

- Worked on the Journal Submission and Final presentation