**Samtla-Char-NER Report**

**Implementation of Character-based Named Entity Recognition into the Samtla System**

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# Acknowledgements

# List of figures and tables

# Abstract

# Introduction (including background)

# Overall Results (trailer)

# Software Architecture

## The Pipeline of tasks and Invoke

## Named Entity Downloading

## Raw Hansard downloading

## Hansard processing

## Hansard interpolation

## Formation of Tensors

# Implementation issues

## Wikipedia data cleanliness

## TWFY API suspect return values

## NLTK span\_tokenize bugs

## Toy dataset model – tensor sparsity

# Testing

## Unit testing

## Model cross-validation

## Overall evaluation

# Summary and Conclusions

## Pre-processing is hard

## Labelling is hard

## Sentence tokenization is hard

# References

# User Manual

# Appendix: Code

# What’s My Work

## Summary of exactly what is my contribution in the repo