### Assignment 1 – Presentation

#### “Unsupervised Machine Translation Using Monolingual Corpora Only”

Guillaume Lample, Alexis Conneau, et al. 2018 (ICLR, International Conference on Learning Representations, Conference Paper)

Things worth overviewing:

- deep learning with large-scale parallel corpora (what is parallel and what is monolingual)

- why parallel corpora is so important to machine translation

- what word-embeddings are (and perhaps give the intuitive example)

- what a latent space is, and how reconstruction from a noisy version means

- note the starting point which is using a direct word-by-word translation

- overview of encoder decoder, aligning with concept of a look-up table for translation in source<->target language

- consider looking at the related works section and expanding on that a lot more

Things worth exploring:

- scout the papers referenced in the intro about stuff that is similar in the domain

- the source code (open sourced) available. maybe run through it briefly?

Remember to note:

- things that they can do better