

CS224N: NATURAL LANGUAGE PROCESSING WITH DEEP LEARNING
ASSIGNMENT #3

ANTHONY HO

1. (a) (i) Example 1: “Stanford is great.” - where “Stanford” could refer to Stanford University (organization) or a person with last name Stanford (person).
Example 2: “I am going to Stanford.” - where “Stanford” could refer to Stanford University (organization) or Stanford, California (location).
(ii) Because the features apart from the word itself could provide context that could remove ambiguity from the named entity.
(iii) Feature 1: the feature “in” that immediately preceded a word could be helpful for identifying the word as a location. Feature 2: an action verb that immediately succeeded a word could be helpful for identifying the word as a named entity.
(b)
(c)
(d)
2. (a)
(b)
(c)
(d)
(e)
(f)
(g)
3. (a)
(b)
(c)
(d)
(e)
(f)