



Neural Relation Extraction with Multi-lingual Attention

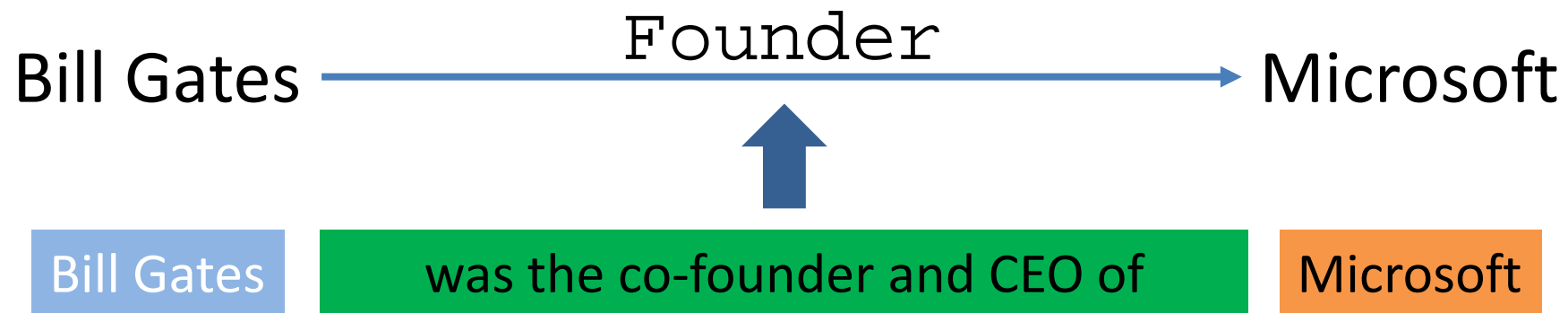
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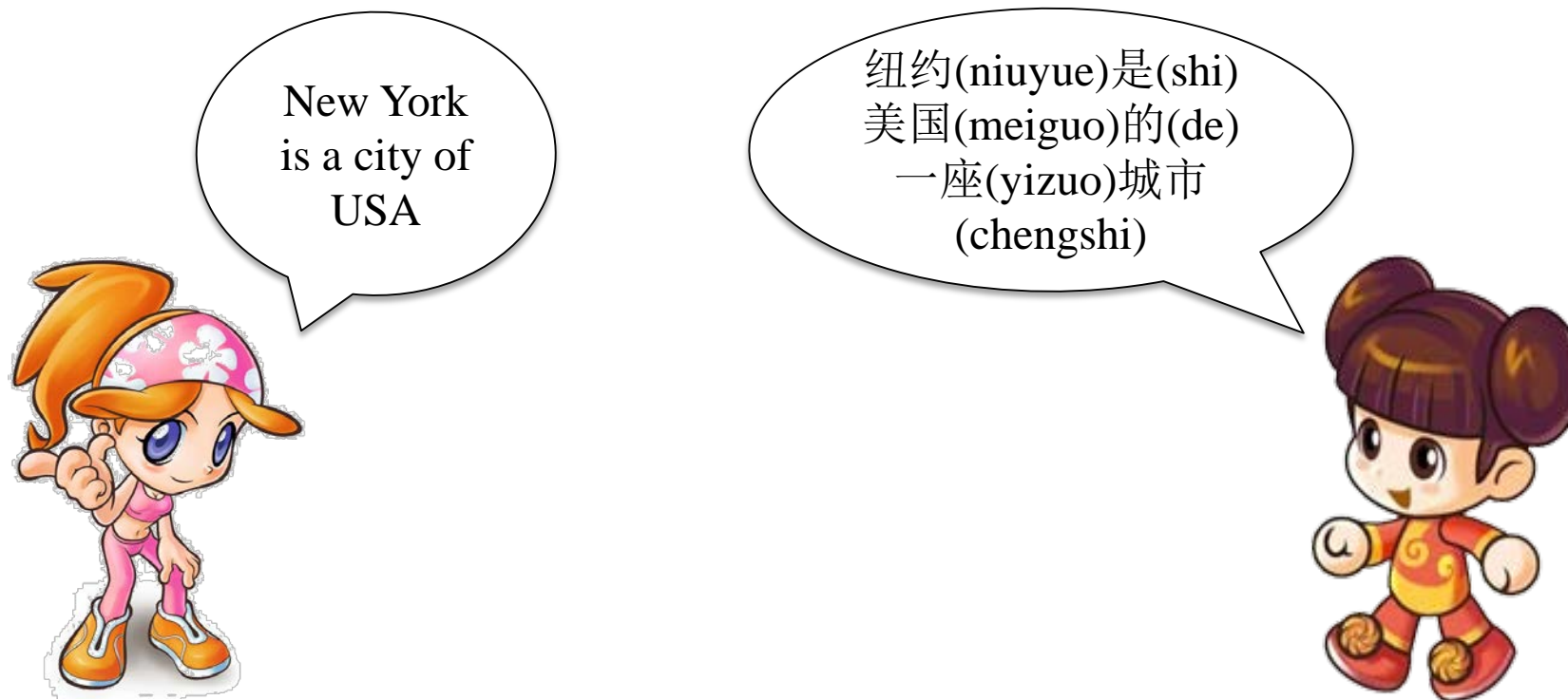
Sun

Tsinghua University

- Extract Relational Facts from plain texts



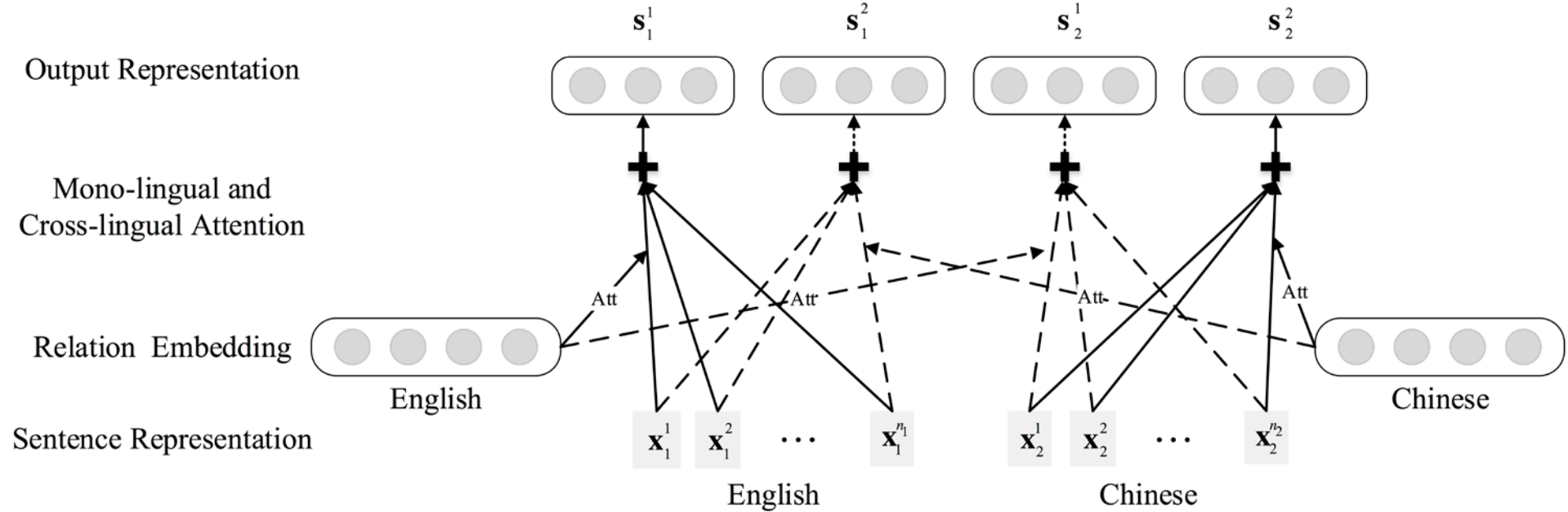
- Only consider **mono-lingual** data → People speaking **different** languages also **share** similar knowledge

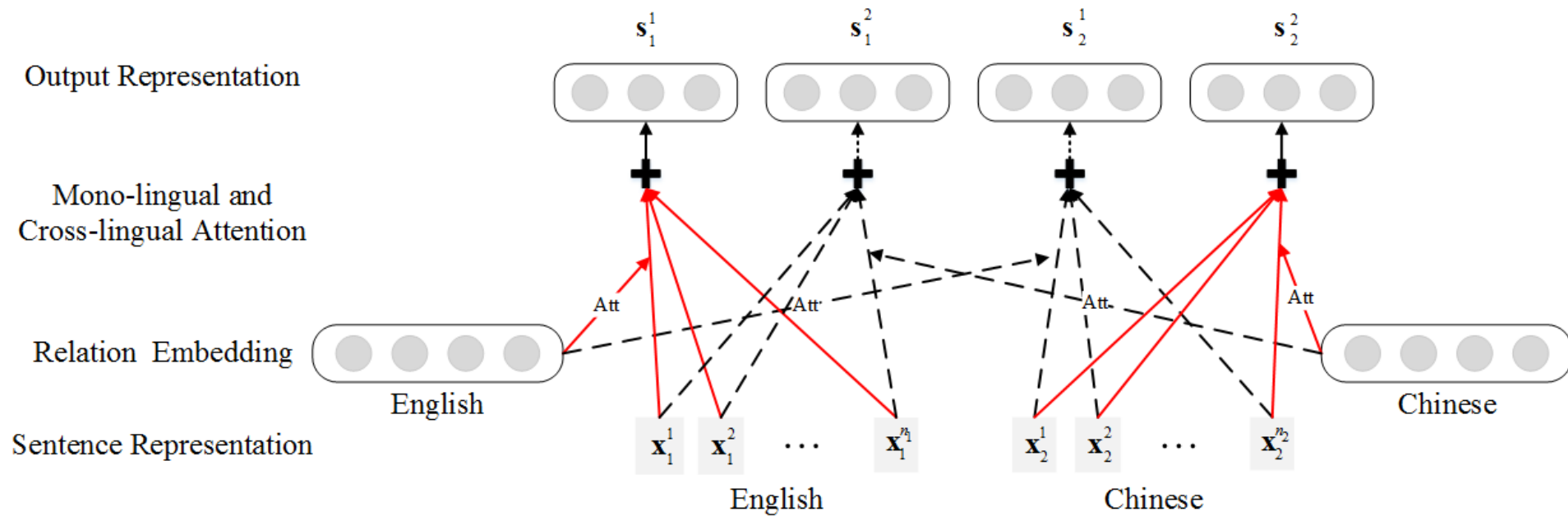


- Consistency
 - patterns expressing relations consist among languages
- Complementarity
 - texts in different languages can be complementary to each other

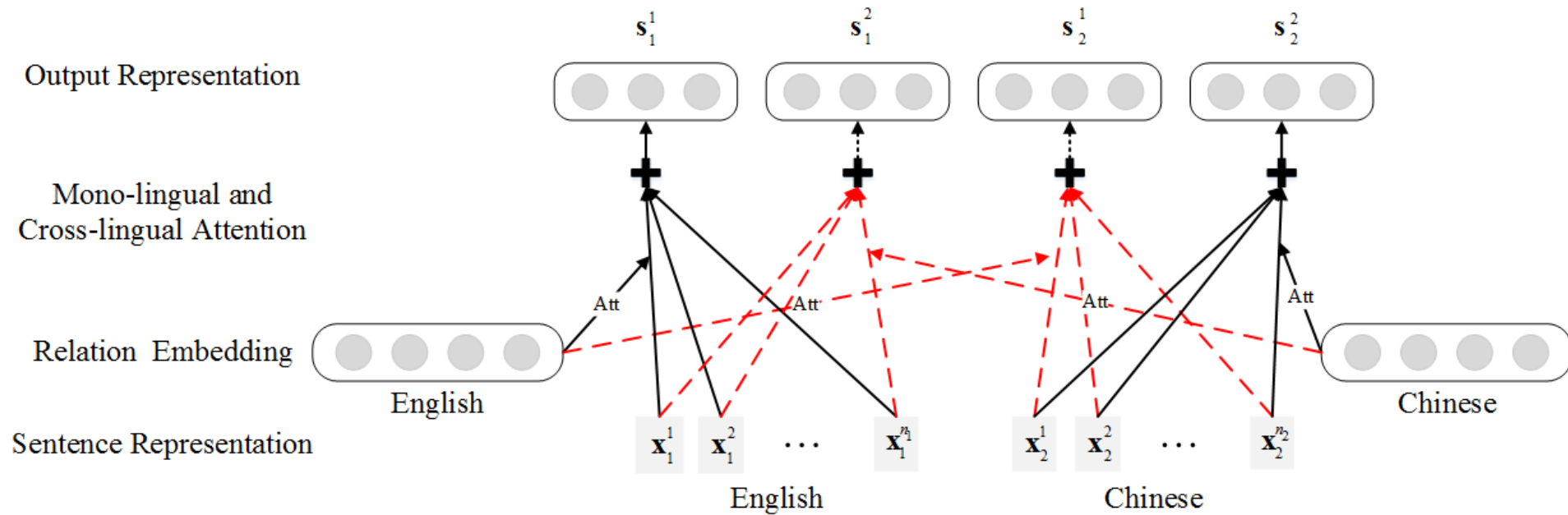
- Sentence Encoder
 - CNN
 - PCNN
- Multi-lingual Attention
 - Mono-lingual
 - Cross-lingual
- Relation extractor

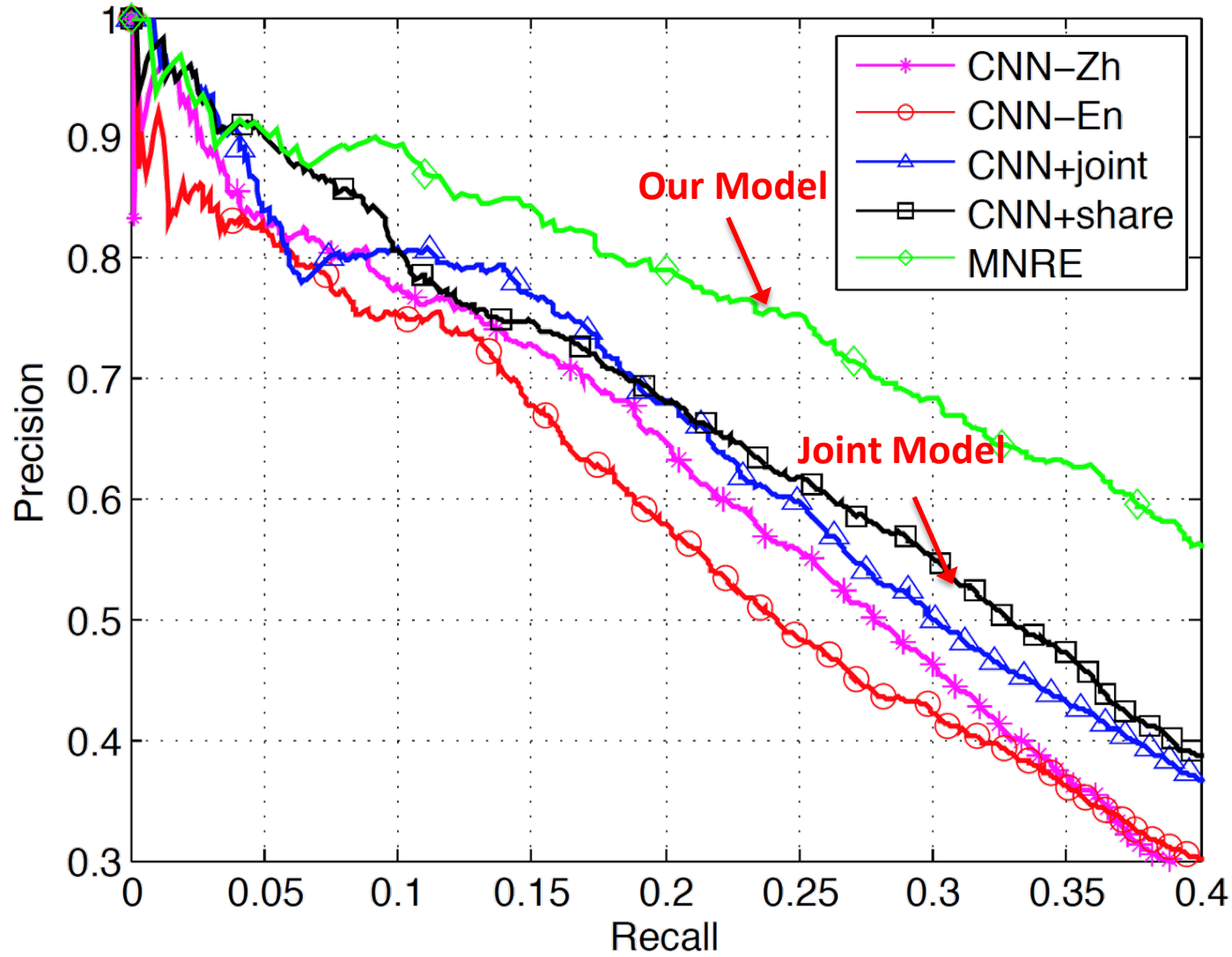
- Multi-lingual Attention





- Cross-lingual Attention





THANK YOU

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