TAO MENG

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EDUCATION

University of California, Los Angeles *September 2018 - Present*
Ph.D in Computer Science
UCLANLP Group; w/Kai-Wei Chang

Tsinghua University *September 2014 - July 2018*
B.S. in Institute for Interdisciplinary Information Science (a.k.a Andrew Chi-Chih Yao's class)
CS-Major GPA: 88.5/100

RESEARCH INTERESTS

1. *Tractable machine learning methods for structured data*
2. *Cross-lingual transfer, multilingualism*

RESEARCH EXPERIENCE

Microsoft Research Asia *October 2017 - February 2018*
Research Intern @ NLC Group; w/Dr. Shujie Liu *Beijing*

· Implement Transformer model in machine translation.
· Using back-translation to do data argumentation to help improve the model performances.
· Implement Tacotron2 and Wavenet to do text-to-speech tasks.

University of Rochester *June 2017 - September 2017*
Research Intern @ Dan's Group; w/Prof. Daniel Gildea *Rochester, NY*

· Do literature survey about abstract meaning representation (AMR).
· Leverage dynamic programming algorithm to help train the AMR parser efficiently.

University of Edinburgh *February 2017 - May 2017*
Research Intern @ Cohort Group; w/Prof. Shay Cohen *Edinburgh*

· Implement a sequence tagger with bidirectional LSTM model.
· Design and implement a question answering system with canonical correlation analysis algorithm.
· Get comparable result in NewsQA and SQuAD dataset.

Tsinghua University *April 2016 - January 2017*
Research Student @ SPMI Group; w/Prof. Zhijian Ou *Beijing*

· Do literature survey about recurrent neural network and LSTM.
· Do preliminary experiments about the efficiency of LSTM.

TECHNICAL STRENGTHS

Xuetang Class Scholarship, Tsinghua University *2014-2018*
Gold medal, 28th Chinese Mathematics Olympics *2012*
Silver medal, 29th, 30th National Olympics of Informatics *2012, 2013*

PUBLICATION

1. **Tao Meng**, Nanyun Peng, Kai-Wei Chang. Target Language-Aware Constrained Inference for Cross-lingual Dependency Parsing, *Conference on Empirical Methods in Natural Language Processing (EMNLP 2019)*.

TECHNICAL STRENGTHS

Programming Languages	C, C++, C#, Python, Java, Matlab
Natural Languages	Mandarin, English
Strengths	Mathematics, Algorithm