

TAO MENG

785 Weyburn Terrace ◇ Los Angeles, CA 90024

(310) · 890 · 6057 ◇ tmeng@cs.ucla.edu

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. Da Yin, **Tao Meng**, Kai-Wei Chang. SentiBERT: An Effective, Transferable and Interpretable Architecture for Compositional Sentiment Semantics, *Association for Computational Linguistics (ACL 2020)*.
2. Fan Yin, Quanyu Long, **Tao Meng**, Kai-Wei Chang. On the Robustness of Language Encoders against Grammatical Errors, *Association for Computational Linguistics (ACL 2020)*.
3. Shengyu Jia*, **Tao Meng***, Jieyu Zhao, Kai-Wei Chang. Mitigating Gender Bias Amplification in Distribution by Posterior Regularization, *Association for Computational Linguistics (ACL 2020)*.
4. **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