TAO MENG

660 Veteran Ave ⋄ 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. *Constraints integration and learning*

Amazon.com *June 2020 - September 2020*
Applied Scientist Intern @ Alexa NLP; w/Dr. Shervin Malmasi, Dr. Anjie Fang *Seattle (Remote)*

· Improving Named Entity Recognition (NER) with gazetteers

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

· Data argumentation in machine translation.
· Implementation of text-to-speech models.

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

· Abstract Meaning Representation (AMR) efficient parsing.

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

· Question answering with canonical correlation analysis (CCA) algorithm.

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

· RNN and LSTM analysis

HONORS, AWARDS, AND SCHOLARSHIPS

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**, Anjie Fang, Oleg Rokhlenko and Shervin Malmasi. GEMNET: Effective Gated Gazetteer Representations for Recognizing Complex Entities in Low-context Input, *Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2021).*

2. **Tao Meng**, Kai-Wei Chang. An Integer Linear Programming Framework for Mining Constraints from Data, *International Conference on Machine Learning (ICML 2021)*

3. Da Yin, **Tao Meng**, Kai-Wei Chang. SentiBERT: An Effective, Transferable and Interpretable Architecture for Compositional Sentiment Semantics, *Association for Computational Linguistics (ACL 2020).*

4. Fan Yin, Quanyu Long, **Tao Meng**, Kai-Wei Chang. On the Robustness of Language Encoders against Grammatical Errors, *Association for Computational Linguistics (ACL 2020).*

5. Shengyu Jia*, **Tao Meng***, Jieyu Zhao, Kai-Wei Chang. Mitigating Gender Bias Amplification in Distribution by Posterior Regularization, *Association for Computational Linguistics (ACL 2020).*

6. **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).*

PROFESSIONAL EXPERIENCE

1. Program Committee / Reviewer, SoCalNLP2019, EMNLP 2020, ACL 2020, NAACL 2021, ACL 2021

TEACHING EXPERIENCE

1. Teaching Assistant, Introduction to Machine Learning, Kai-Wei Chang, UCLA, 2021 Fall.

2. Teaching Assistant, Natural Language Processing, Kai-Wei Chang, UCLA, 2020 Spring.

3. Teaching Assistant, Introduction to Machine Learning, Kai-Wei Chang, UCLA, 2020 Fall.

TECHNICAL STRENGTHS

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