

XUEBO LIU

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EDUCATION

Ph.D., Computer Science, **University of Macau**

Aug. 2015 - Jun. 2021 (expected)

Supervised by [Prof. Derek F. Wong](#)

B.S., Information Management&System, **Central China Normal University**

Sep. 2011 - Jun. 2015

RESEARCH PAPERS

Xuebo Liu, Houtim Lai, Derek F. Wong, Lidia S. Chao. [Norm-Based Curriculum Learning for Neural Machine Translation](#). In *58th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2020.

Xuebo Liu, Derek F. Wong, Yang Liu, Lidia S. Chao, Tong Xiao, and Jingbo Zhu. [Shared-Private Bilingual Word Embeddings for Neural Machine Translation](#). In *57th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2019.

Xuebo Liu, Derek F. Wong, Lidia S. Chao, Yang Liu. [Latent Attribute Based Hierarchical Decoder for Neural Machine Translation](#). In *IEEE/ACM Trans. Audio, Speech & Language Processing (TASLP)*, 2019.

Xuebo Liu, Longyue Wang, Derek F. Wong, Lidia S. Chao, Zhaopeng Tu. A paper related to language generation. (Anonymous; Submitted to NeurIPS2020)

Xuebo Liu, Derek F. Wong, Lidia S. Chao, Chongman Leong, Houtim Lai. Beyond Decoding Speedup: Non-Autoregressive Neural Machine Translation Brings More. (Preparing)

Xuebo Liu, Derek F. Wong, Yang Liu, Lidia S. Chao. DeepCoder: Trainable Deep Architecture for Neural Machine Translation. (Preparing)

PATENTS

Derek F. Wong, **Xuebo Liu**, Lidia S. Chao. A Method and Device for Training Deep Neural Machine Translation Models. (Submitted to National Intellectual Property Administration, PRC)

Derek F. Wong, **Xuebo Liu**, Yang Liu, Lidia S. Chao. A Hierarchical Decoding Method for Neural Machine Translation. (Submitted to National Intellectual Property Administration, PRC)

RESEARCH EXPERIENCE

Research Assitant, NLP²CT Lab, **University of Macau**

Aug. 2015 - Jun. 2021(expected)

[UM-CAT](#): Chinese-Portuguese Computer-Aided Translation Platform (Algorithm design) [[News related to me](#)]

[UM²T](#): Online Interactive Portuguese-Chinese Machine Translation System (Algorithm design)

AI Challenger 2017: Top 10 of the English-Chinese Machine Translation Campaign (Leader)

Research Intern, NLP Center, **Tencent AI Lab**

Dec. 2019 - Dec. 2020 (expected)

One manuscript is submitted to NeurIPS2020; Supervised by [Dr. Zhaopeng Tu](#) and [Dr. Longyue Wang](#)

Postgraduate Intern, NLP Lab, **Tsinghua University**

May 2018 - Nov. 2018

One (Long&Oral) paper is accepted to ACL2019; Supervised by [Prof. Yang Liu](#)

TEACHING EXPERIENCE

Teaching Assitant, Faculty of Science and Technology, **University of Macau**

Compiler Construction 2017; Applied Natural Language Processing 2018-2019

PROFESSIONAL SERVICES

Journal Reviewer: Neurocomputing 2020; TALLIP 2018-2019

Conference Reviewer: NeurIPS 2020; COLING 2020; ACL 2019; AACL 2019; NLPCC 2019

Secondary Reviewer: CL 2020; ACL 2020; AACL 2020; IJCAI 2020; EMNLP 2019; NAACL 2019; IJCAI 2019; CCMT 2019; ACL 2018; EMNLP 2018; CWMT 2018; PROPOR 2018

SKILLS

Languages: Python, Theano, Tensorflow, Pytorch

Tools: Nematus, Thumt, Fairseq, XLM