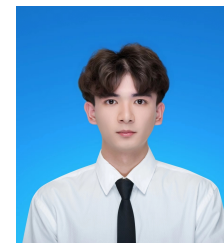


Ru Peng (彭儒)



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Research Interests: LLMs, Machine Learning, NLP, Multimodal.

EDUCATION

Zhejiang University

Ph.D. of Computer Science

Sep 2022 - Present

Supervisor: [Prof. Junbo Zhao](#)

Guangdong University of Technology

M.S. of Communication Engineering

Sep 2017 - Jul 2020

Supervisors: [Prof. Yi Fang](#) and [Prof. Tianyong Hao](#)

Liaoning Technical University

B.E. of Communication Engineering

Sep 2013 - Jul 2017

WORK EXPERIENCE

Alibaba Qwen Team

Research Intern on LLMs, mentored by [Dr. Dayiheng Liu](#), [Dr. Chang Zhou](#), [Dr. Jingren Zhou](#)

Oct 2023 - Present

ATTL Laboratory, NICT, Japan

Research Intern (Remote) on Machine Translation, mentored by [Prof. Kehai Chen](#)

Dec 2020 - Jun 2021

PUBLICATIONS

- [1] Energy-based Automated Model Evaluation.
Ru Peng, Heming Zou, Haobo Wang, Yawen Zeng, Zenan Huang, Junbo Zhao.
The Twelfth International Conference on Learning Representations (**ICLR**), 2024.
- [2] CAME: Contrastive Automated Model Evaluation.
Ru Peng, Qiuyang Duan, Haobo Wang, Jiachen Ma, Yanbo Jiang, Yongjun Tu, Xiu Jiang, Junbo Zhao.
IEEE/CVF International Conference on Computer Vision (**ICCV**), 2023.
- [3] Distill The Image to Nowhere: Inversion Knowledge Distillation for Multimodal Machine Translation.
Ru Peng, Yawen Zeng, Junbo Zhao.
Conference on Empirical Methods in Natural Language Processing (**EMNLP**), 2022. (**Oral, top 4.1%**)
- [4] HybridVocab: Towards Multi-Modal Machine Translation via Multi-Aspect Alignment.
Ru Peng, Yawen Zeng, Junbo Zhao.
International Conference on Multimedia Retrieval (**ICMR**), 2022. (**Oral**)
- [5] Deps-SAN: Neural Machine Translation with Dependency-Scaled Self-Attention Network.
Ru Peng, Nankai Lin, Yi Fang, Shengyi Jiang, Tianyong Hao, Boyu Chen, Junbo Zhao.
The 29th International Conference on Neural Information Processing (**ICONIP**), 2022. (**Oral**)
- [6] Syntax-Aware Attentional Neural Machine Translation Directed by Syntactic Dependency Degree.
Ru Peng, Tianyong Hao, Yi Fang.
Neural Computing and Applications (**NCA**), 2020. (**IF: 5.6**)
- [7] Neural Machine Translation with Attention Based on a New Syntactic Branch Distance.
Ru Peng, Zhitao Chen, Tianyong Hao, Yi Fang.
The 15th China Conference on Machine Translation (**CCMT**), 2019. (**Best Paper Candidates 3th**)

SKILLS

Programming Languages: Java, Python, C, C#, Matlab, Shell, Perl

Deep Learning Frameworks: Pytorch, Tensorflow, Theano, Keras

Machine Learning Libraries: NumPy, SciPy, Sklearn, Matplotlib, Pandas, NLTK, etc.

AI Experience: Rich experience in theories, toolkits, codebases, experiments for AI fields

AWARDS

Merit Student, Zhejiang University, 2022
Academic Scholarship, GDUT, 2017 – 2019
Outstanding Student Scholarship, LNTU, 2016

PROFESSIONAL SERVICE

Conference Reviewer: NeurIPS 2022 - 2023, ICML 2023, ICCV 2023, ICLR 2024, ECCV 2024, ACL 2024, COLM 2024
Journal Reviewer: IEEE Trans. Big Data