# Weizhi Wang


CONTACT INFORMATION

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[Personal Website]


RESEARCH FOCUS

- **Dialogue Systems**: knowledge-enhanced dialogue systems with pre-trained models
- **Multilingual and Multimodal Translation**: zero-shot/few-shot translation in large-scale multilingual translation systems; end-to-end speech-to-text translation
- **Pre-trained Models**: prompt-based fine-tuning; parameter-efficient fine-tuning with adapters

EDUCATION

**Rutgers University**, New Brunswick, NJ, USA — Aug 2019 – Jun 2021
*M.S. Computer Science*
Award: Outstanding Graduate Academic Performance Award
GPA: 4.0/4.0

**Xi'an Jiaotong University**, Xi'an, Shaanxi, China — Aug 2015 – Jun 2019
*B.E. Electrical Engineering*
Scholarship: Siyuan Scholarship of Xi'an Jiaotong University
GPA: 84.0/100.0

PUBLICATIONS AND PREPRINTS

Rethinking Zero-shot Neural Machine Translation: From a Perspective of Latent Variables.
**Weizhi Wang**, Zhirui Zhang, Yichao Du, Boxing Chen, Weihua Luo.
Accepted by Findings of EMNLP 2021.

Task-Oriented Dialogue System as Natural Language Generation.
**Weizhi Wang**, Zhirui Zhang, Junliang Guo, Boxing Chen, Weihua Luo.
Submitted to AAAI 2022.

Regularizing End-to-End Speech Translation with Triangular Decomposition Agreement.
Yichao Du, Zhirui Zhang, **Weizhi Wang**, Boxing Chen, Jun Xie, Tong Xu, Enhong Chen and Weihua Luo.
Submitted to AAAI 2022.

Adaptive Region Growing For Unmanned System.
Tao Wang, Hui Cao, Xingyu Yan, Yanqing Ma, and **Weizhi Wang**.
Chinese Control Conference (CCC) 2019. [PDF]

RESEARCH INTERNSHIPS

**Alibaba DAMO Academy**, Hangzhou, CN — Sep 2020 – Present
*Mentor: Boxing Chen, Zhirui Zhang*
Translation Group, Language Technology Lab
Description: Working on Natural Language Generation topics, including Task-Oriented Dialogue Systems, Multilingual Neural Machine Translation, and Speech-to-Text Translation.

**Rutgers University**, New Brunswick, NJ, US — Nov 2019 – May 2020
*Mentor: Prof. Sungjin Ahn*
Rutgers Machine Learning Group
Description: Working on Representation Learning on Hippocampal-Entorhinal System of Human with Deep Generative Models.

SKILLS

- Language Efficiency: GRE: V-154, Q-170, W-4.0
- Support Programs: Git, PyTorch, HuggingFace Transformers, FairSeq, Docker

TEACHING EXPERIENCE

**Teaching Assistant** — Feb 2020 – May 2021
Rutgers University, New Brunswick, NJ, US
CS170, Computer Applications of Business