

CONTACT INFORMATION	768 Cypress Walk Goleta, CA, 93117	weizhiwang@ucsb.edu [Personal Website] [Github Repos]
RESEARCH FOCUS	I am focusing on the field of Natural Language Processing. My research focus and past experience can be summarized as the following aspects: <ul style="list-style-type: none"><li>• <b>Multi-modal Large Language Models:</b> Visually-augmented Language Modeling (ICLR'23); Language Modeling Augmented with Long-term Memory (NeurIPS'23)</li><li>• <b>Multilingual and Multi-modal Translation:</b> Zero-shot/Few-shot Translation in Large-scale Multilingual Translation Systems (EMNLP'21); End-to-End Speech-to-Text Translation (AAAI'22, EMNLP'22)</li><li>• <b>Dialogue Systems:</b> Knowledge-enhanced Dialogue Systems with LLMs (SIGIR'22)</li></ul>	
EDUCATION	<b>University of California Santa Barbara</b> , CA, USA <i>Ph.D. Computer Science</i> Advisor: Prof. Xifeng Yan	Sep 2022 – Jun 2026
	<b>Rutgers University</b> , NJ, USA <i>M.S. Computer Science</i> , GPA: 4.0/4.0	Aug 2019 – Jun 2021
	<b>Xi'an Jiaotong University</b> , Shaanxi, China <i>B.E. Electrical Engineering</i> , GPA: 84.0/100.0	Aug 2015 – Jun 2019
PUBLICATIONS (TIME ORDER)	<p>[1] Augmenting Language Models with Long-Term Memory. <b>Weizhi Wang</b>, Li Dong, Hao Cheng, Xiaodong Liu, Xifeng Yan, Jianfeng Gao, Furu Wei. NeurIPS 2023. [arXiv] [code]</p> <p>[2] Visually-Augmented Language Modeling. <b>Weizhi Wang</b>, Li Dong, Hao Cheng, Haoyu Song, Xiaodong Liu, Xifeng Yan, Jianfeng Gao, Furu Wei. ICLR 2023. [arXiv] [code]</p> <p>[3] Non-Parametric Domain Adaptation for End-to-End Speech Translation. Yichao Du*, <b>Weizhi Wang</b>*, Zhirui Zhang, Boxing Chen, Jun Xie, Tong Xu. EMNLP 2022. <b>Oral Presentation, TOP 3%</b>. (*Equal Contribution) [arXiv] [code]</p> <p>[4] Task-Oriented Dialogue System as Natural Language Generation. <b>Weizhi Wang</b>, Zhirui Zhang, Junliang Guo, Yinpei Dai, Boxing Chen, and Weihua Luo. SIGIR 2022. [arXiv] [code]</p> <p>[5] Regularizing End-to-End Speech Translation with Triangular Decomposition Agreement. Yichao Du, Zhirui Zhang, <b>Weizhi Wang</b>, Boxing Chen, Jun Xie, Tong Xu, and Weihua Luo. AAAI 2022. [arXiv] [code]</p> <p>[6] Rethinking Zero-shot Neural Machine Translation: From a Perspective of Latent Variables. <b>Weizhi Wang</b>, Zhirui Zhang, Yichao Du, Boxing Chen, and Weihua Luo. EMNLP Findings 2021. [arXiv] [code]</p>	
COMPETITIONS	The Fifth Amazon Alexa Prize SocialBot Grand Challenge <b>Champion</b> 🏆, winning \$250,000 first place bonus Description: As a member of <i>GauchaChat</i> team, we developed a proactive, controllable, and personalized social chatbot.	Nov 2022 - Sep 2023

PROFESSIONAL SERVICES	<ul style="list-style-type: none"><li>- Conference Reviewer: KDD 2023, NeurIPS 2023, ICLR 2024.</li><li>- Journal Reviewer: TASLP, TALLIP.</li></ul>	
RESEARCH EXPERIENCE	<p><b>TikTok</b>, San Jose, US <i>Mentor: Dr. Heng Wang</i> Intelligent Creation Group <u>Description:</u> Vision-language pre-training with pruned high-quality dataset.</p> <p><b>Microsoft Research Asia</b>, Beijing, CN <i>Mentor: Dr. Li Dong, Dr. Cheng Hao, Dr. Xiaodong Liu</i> Nature Language Computing Group <u>Description:</u> Large Language Models with visual-knowledge enhancement, Augmenting Large Language Models with long-term memory.</p> <p><b>Alibaba DAMO Academy</b>, Hangzhou, CN <i>Mentor: Dr. Boxing Chen, Dr. Zhirui Zhang</i> Machine Translation Group, Language Technology Lab <u>Description:</u> Task-Oriented Dialogue Systems, Multilingual Neural Machine Translation, and Speech-to-Text Translation.</p>	<p>Sep 2023 – Dec 2023</p> <p>Nov 2021 – May 2023</p> <p>Sep 2020 – Nov 2021</p>
AWARDS	<ul style="list-style-type: none"><li>- Academic Excellence Fellowship. University of California Santa Barbara. 2022.</li><li>- Outstanding Graduate Academic Performance Award. Rutgers University. 2021.</li><li>- Siyuan Scholarship. Xi'an Jiaotong University. 2016 &amp; 2018.</li></ul>	