Zineng Tang

✉ terran@cs.unc.edu · ⌂ zinengtang.github.io · ⌥ github.com/zinengtang

Education

University of North Carolina at Chapel Hill, Chapel Hill NC, USA   2019 Aug. – Present
Undergraduate Student B.S. in Mathematics and Computer Science

Experience

UNC NLP - **MURGe-Lab**   2019 Nov. - Present
Undergraduate Research Assistant

I research with Prof. Mohit Bansal on multi-modal understanding/generation, language understanding/generation, etc.

Microsoft Research   2022 May. - Aug.
Research Intern

I am mentored by Senior Researcher Dr. Ziyi Yang and research on document AI in Cognitive Services Research Group.

Publications

- Unifying Vision, Text, and Layout for Universal Document Processing
  Zineng Tang, Ziyi Yang, Guoxin Wang, Yuwei Fang, Yang Liu, Chenguang Zhu, Michael Zeng, Cha Zhang, Mohit Bansal - Arxiv [pdf]

- TVLT: Textless Vision-Language Transformer
  ***Zineng Tang**, *Jaemin Cho, *Yixin Nie, Mohit Bansal - **Neurips 2022 (Oral)** [pdf]

- Perceiver-VL: Efficient Vision-and-Language Modeling with Iterative Latent Attention
  ***Zineng Tang**, *Jaemin Cho, Jie Lei, Mohit Bansal - **WACV 2023** [pdf]

- VidLanKD: Improving Language Understanding via Video-Distilled Knowledge Transfer
  Zineng Tang, Jaemin Cho, Hao Tan, Mohit Bansal - **Neurips 2021** [pdf]

- Continuous Language Generative Flow
  Zineng Tang, Shiyue Zhang, Hyounghun Kim, Mohit Bansal - **ACL 2021** [pdf]

- DeCEMBERT: Learning from Noisy Instructional Videos via Dense Captions and Entropy Minimization
  ***Zineng Tang**, *Jie Lei, Mohit Bansal - **NAACL 2021** [pdf]

- Dense-Caption Matching and Frame-Selection Gating for Temporal Localization in VideoQA
  Hyounghun Kim, **Zineng Tang**, Mohit Bansal - **ACL 2020** [pdf]

- Deep Colorization by Variation (Short Paper)
  Zineng Tang - **CIKM 2019** [pdf]

Other Skills

- *Kaggle* Competed in data science/machine learning competitions on Kaggle and won two silver medals.
- *IOS developer* Developed/published an IOS photo filter app based on Swift with image editing and style transfer.

Honors

- NeurIPS 2022 Scholar Award
- CRA Outstanding Undergraduate Researcher Awards 2022 - Awardee.