

# ZINENG TANG

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## EDUCATION

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**University of North Carolina at Chapel Hill**, Chapel Hill NC, USA

2019 Aug. – Present

*Undergraduate Student* B.S. in Mathematics

## EXPERIENCE

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**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 Ziyi Yang and research on document AI in Cognitive Services Research Group.

## PUBLICATIONS

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- 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

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- *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

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- NeurIPS 2022 Scholar Award
- CRA Outstanding Undergraduate Researcher Awards 2022 - Honorable Mention.