

XINPENG CHEN (陈新鹏)

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EDUCATION

Wuhan University, Wuhan, Hubei Sep. 2015 - Jun. 2018

M.Phil. in Photogrammetry and Remote Sensing

Jilin University, Changchun, Jilin Sep. 2011 - Jun. 2015

B.E. in Surveying and Mapping Engineering

WORK EXPERIENCE

Research intern, CV Group, Tencent AI Lab Mar. 2017 - Present

Mentor: Dr. Lin Ma, Dr. Wenhao Jiang, and Dr. Wei Liu Shenzhen, China

Topic: Image and video caption, video classification, and referring expression comprehension.

Research intern, NLP Group, Hitachi Central Research Laboratory Nov. 2016 - Feb. 2017

Mentor: Dr. Bin Tong Tokyo, Japan

Topic: Video caption, image paragraph description, and reinforcement learning for image caption.

PUBLICATIONS

- **Xinpeng Chen**, Lin Ma, Wenhao Jiang, Jian Yao, Wei Liu. *Regularizing RNNs for Caption Generation by Reconstructing The Past with The Present*. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Salt Lake City, USA, 2018.
- **Xinpeng Chen**, Jingyuan Chen, Lin Ma, Jian Yao, Wei Liu, Jiebo Luo, and Tong Zhang. *Fine-grained Video Attractiveness Prediction Using Multimodal Deep Learning on a Large Real-world Dataset*. The Web Conference (original WWW), The Big Web Track, Lyon, France, 2018.
- Jingyuan Chen, **Xinpeng Chen**, Lin Ma, Zequn Jie, and Tat-Seng Chua. *Temporally Grounding Natural Sentence in Video*. Conference on Empirical Methods in Natural Language Processing (EMNLP), Brussels, Belgium, 2018.
- Wenhao Jiang, Lin Ma, **Xinpeng Chen**, Hanwang Zhang, and Wei Liu. *Learning to Guide Decoding for Image Captioning*. The AAAI Conference on Artificial Intelligence (AAAI), Louisiana, USA, 2018.
- Shaoxiang Chen, Xi Wang, Yongyi Tang, **Xinpeng Chen**, Zuxuan Wu, Yu-Gang Jiang. *Aggregating Frame-level Features for Large-Scale Video Classification*. YouTube-8M Large-Scale Video Understanding Challenge (CVPR Workshop), Hawaii, USA, 2017.

COMPETITIONS

- I took the **first place** on MSCOCO captioning leaderboard under my mentors' guidance. Specifically, we merged various kinds of CNN features (Inception-V3, Inception-V4, ResNet and DenseNet) into the attentive encoder-decoder framework and got a more stronger baseline model. Then we took the self-critic sequence training algorithm to fine-tune the baseline model until convergence.
- I took the **fourth place (top 1%)** as a team member in Google Cloud & YouTube-8M Video Understanding Challenge in May.

HONORS AND AWARDS

- Outstanding Freshman Scholarship of Wuhan University (Top 5%) 2015
- Graduation with Honors and Rank is No.2 out of 45 students, GPA: 3.64/4.0 2015
- First Class Scholarship of Jilin University & Excellent Student (Top 5%) 2012, 2013, 2014