

XINPENG CHEN (陈新鹏)

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EDUCATION

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

M.Phi. 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.

PATENTS

- **Xinpeng Chen**, Lin Ma, Jingyuan Chen, Wei Liu. A method for referring expression comprehension in one single pass, 2018. (Chinese patent under application.)
- **Xinpeng Chen**, Jingyuan Chen, Lin Ma, Wei Liu. A method for fine-grained video attractiveness prediction, 2018. (Chinese patent under application.)
- **Xinpeng Chen**, Lin Ma, Wenhao Jiang, Wei Liu. An end-to-end framework for caption generation, 2017. Chinese patent number: CN108334889A.

COMPETITIONS

- I took the **first place** as the main contributor on **MSCOCO captioning leaderboard** under the mentors' guidance, 2017.
- I took the **fourth place (top 1%)** as a team member in **Google Cloud & YouTube-8M Video Understanding Challenge**, 2017.

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