Xinpeng Chen

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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. Rank: 2/45, GPA: 3.64/4.0.

Work Experience

Research intern, CV Group, Tencent AI Lab   Mar. 2017 - Nov. 2018
Mentor: Dr. Lin Ma, Dr. Wenhao Jiang, and Dr. Wei Liu   Shenzhen, China
Topic: Image and video caption; Video classification; 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; Reinforcement learning for image caption.

Publications

1. **Xinpeng Chen**, Lin Ma, Jingyuan Chen, Zequn Jie, Wei Liu, Jiebo Luo. *Real-Time Referring Expression Comprehension by Single-Stage Grounding Network*. arxiv preprint arXiv:1812.03426, 2018.

2. **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.

3. **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.

4. 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.

5. Jingyuan Chen, Lin Ma, **Xinpeng Chen**, Zequn Jie, Jiebo Luo. *Localizing Natural Language in Videos*. The AAAI Conference on Artificial Intelligence (**AAAI**), Hawaii, USA, 2019.

6. 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.

7. 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

1. **Xinpeng Chen**, Lin Ma, Jingyuan Chen, Wei Liu. A method for referring expression comprehension in one single pass, 2018. (Chinese patent under application.)

2. **Xinpeng Chen**, Jingyuan Chen, Lin Ma, Wei Liu. A method for fine-grained video attractiveness prediction, 2018. (Chinese patent under application.)

3. **Xinpeng Chen**, Lin Ma, Wenhao Jiang, Wei Liu. A end-to-end framework for caption generation, 2017. Chinese patent number: CN108334889A.

PROFESSIONAL SERVICES

Reviewer for AAAI   2019
Reviewer for Pattern Recognition   2017

COMPETITIONS

1. I took the **first place** as a main contributor on MSCOCO captioning leaderboard under the mentors' guidance in Aug. 2017.

2. I took the **fourth place (top 1%)** as a team member in Google Cloud & YouTube-8M Video Understanding Challenge in May. 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