Dayiheng Liu

刘大一恒

CS Ph.D. @ SCU

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Experience

- 2015.10 - present, **Ph.D.**, DICALab, Sichuan University (SCU).
  Advisor: Prof. Jiancheng Lv (3+2+3 Bachelor-Master-Doctor combind program)

- 2017.3 - 2017.8, **Intern**, NExT++, National University of Singapore (NUS).
  Advisor: Prof. Hanwang Zhang

- 2015.6 - 2015.8, **Visitor**, School of Computing, National University of Singapore (NUS).

- 2012.9 - 2015.9, **B.E.**, College of Computer Science, Sichuan University.
  Advisor: Prof. Jiancheng Lv (Ranking: 1/370+)

Interests: Natural language generation (including controllable text generation, VAE for text generation, GAN for text generation, text generation in arbitrary order, and applications in natural language generation).

Publications

1. *TIGS: An Inference Algorithm for Text Infilling with Gradient Search*
   Dayiheng Liu, Jie Fu, Pengfei Liu, Jiancheng Lv, **ACL** 2019

2. *Revision in Continuous Space: Fine-Grained Control of Text Style Transfer*
   Dayiheng Liu, Jie Fu, Yidan Zhang, Chris Pal, Jiancheng Lv , **NeurIPS** 2019 (Under Review)

3. *µ-Forcing: Training Variational Recurrent Autoencoders for Text Generation*
   Dayiheng Liu, Xue Yang*, Feng He, Yuanyuan Chen, Jiancheng Lv, **TALLIP** 2019

4. *Ancient-Modern Chinese Translation with a New Large Training Dataset*
   Dayiheng Liu, Kexin Yang, Qian Qu, Jiancheng Lv, **TALLIP** 2019

5. *BFGAN: Backward and Forward Generative Adversarial Networks for Lexically Constrained Sentence Generation*
   Dayiheng Liu, Jie Fu, Qian Qu, Jiancheng Lv, **TASLP** 2019 (Major Revision)

6. *A Multi-Modal Chinese Poetry Generation Model*
   Dayiheng Liu, Quan Guo, Wubo Li, Jiancheng Lv, **IJCNN** 2018

7. *Generating Style-specific Chinese Tang Poetry with a Simple Actor-Critic Model*
   Dayiheng Liu, Jiancheng Lv, Yunxia Li, **TETCI** 2018

8. *A Neural Words Encoding Model*
   Dayiheng Liu, Jian Cheng Lv, Xiaofeng Qi, Jiangshu Wei, **IJCNN** 2016

Awards & Honors

1.Tang Lixing Scholarship (Only 60 students in the whole school per year, Long-term Scolarship, 2018~Present)

2.Guanghua Scholarship for Ph.D. student, 2018

3.1st Golden Star (计科金星) in College of Computer Science, Sichuan University (1/370+), 2016

4.1st place in The 8th China (Chengdu) International Software Design & Application Competition (APP track), 2015

5.Silver Medal in ACM-ICPC Asian Regional Contest (Changchun site), 2015

6.Silver Medal in ACM-ICPC Asian Regional Contest (Shenyang site), 2015

7.2nd Prize in Microsoft ImagineCup (Game track) in China, 2015

8.National Scholarship for Undergraduate Students (2/370+), 2015

9.1st Prize in Mathematical Contest in Modeling for College (MCM) in Sichuan Province, 2014

10.1st Prize in the "Lanqiao Cup" C/C++ Programming Contest, Sichuan Province, 2014