

NLP Bi-monthly Report

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Delivery

- 1 paper submitted to APSIPA
 - Ordered word embedding (Aiting Liu)
- 2 Patents
 - Chinese poetry generation from modern Chinese (Ziwei Bai)
 - Music generation (Jiyuan Zhang)
- Machine Learning book writing
 - the first version of chapter 2&3
- Some tutorials on DL basics and ACL 2016 paper reading
- Corpus for lyric generation
- Query paraphrase

Undergoing

- Chinese Song lyrics generation with Tensorflow
 - Can produce results with small difference with QiXin's system
 - Under fine-tuning
- Rare word representation
 - Some problems in baseline implementation
 - Has produces some results
- Chatting model with RNN
 - Completed, but the performance need optimization

Plan

- Jointly parsing and generation
- Improve Chinese Poetry generation
 - Tune until competitive to Qixin's system
 - Improvement
- Rare word representation
 - Tune baseline
 - Optimize our method