

EDUCATION

Beijing University of Posts and Telecommunications (BUPT) , Beijing, China	<i>Sep. 2015-Now</i>
M.E. in Information and Communication Engineering	Rank: 23/764
Beijing University of Posts and Telecommunications (BUPT) , Beijing, China	<i>Sep. 2011-Jul. 2015</i>
B.E. in Communication Engineering	GPA: 91.3/100 Rank: 14/600

RESEARCH EXPERIENCE

Machine Learning Department, CMU	<i>July. 2017-Now</i>
Summer Intern, Supervised by Dr. Pengtao Xie, Prof. Eric Xing	Key words: Clinical Diagnosis
<ul style="list-style-type: none"> Using deep generative models(VAE, VRNN) to do clinical diagnosis. 	
Center for Speech and Language Technologies (CSLT), Tsinghua University	<i>Sep. 2016-June.2017</i>
NLP Research Assistant, Supervised by Prof. Dong Wang	Key words: Machine translation and Parsing
<ul style="list-style-type: none"> Researched on Memory-augmented transition-based parsing. Added a memory component (memorizing wrong instances, supposed to work as a complement) to RNN architecture, coding with Dynet(c++). Researching on Memory-augmented NMT. Reproduced attention-based NMT on Tensorflow. Added a memory component (memorizing target words, supposed to help with translation). 	

PUBLICATIONS

- Yang Feng, **Shiyue Zhang**, Andi Zhang, Dong Wang, Andrew Abel. "Memory-augmented Neural Machine Translation". *EMNLP 2017*. Accepted.
- Shiyue Zhang**, Gulnigar Mahmut, Dong Wang, Askar Hamdulla. "Memory-augmented Chinese-Uyghur Neural Machine Translation". *APSIPA ASC 2017*. Accepted.
- Shiyue Zhang**, Zheng Hu, Chunhong Zhang. "History-based Article Quality Assessment on Wikipedia". *BigComp 2018*. Submitted.

INTERNSHIP EXPERIENCE

News App YouDian, YOKA.com	<i>April.2015-Aug.2015</i>
SDE Intern	Key words: News personalized recommendation, LDA, Data crawler
<ul style="list-style-type: none"> Designed a weibo crawler to crawl the tweets related to hot key words everyday. Independently implemented the "LDA recaller" module which brought 15% CTR, and ranked No.1 among other modules. 	
ISCAS-TOYOTA Project, Institute of Software Chinese Academy of Sciences (ISCAS)	<i>Nov.2014-Jan.2015</i>
Research Intern	Key words: Data crawler, Analysis, and Visualization.
<ul style="list-style-type: none"> Crawled car data of 60+ car brands and related user feedbacks from <i>autohome.com.cn</i>. Analyzed the factors of automobile fuel consumption using ANOVA and decision tree. Reported to TOYOTA with visualized analysis results. 	

PROJECT EXPERIENCE

National Youth Science Foundation, BUPT	<i>Dec. 2015-Now</i>
Research on Wikipedia	Key words: Article Quality Assessment
<ul style="list-style-type: none"> Researching on how to assess/predict Wikipedia article quality accurately. Designed multi-thread WikiAPI crawler and crawled wikidata about 600G+. Using LSTM to learn representation of article edit history, and thus to predict quality, model is built with Theano. 	

HONORS AND AWARDS

National Scholarship (1%, twice)	2013/2014
Excellent Graduate of BUPT (5%)	2015
Excellent Student of BUPT (5%, three times)	2012/2013/2014
Member of <i>YePeida (Pioneer of Optical Communication in China) School</i> (5%)	2013

SKILLS

- Python > C/C++ > Java. Linux, SQL and MongoDB. Skilled with Git. Experienced in Spark (Python).
- Machine learning & NLP. Experienced in Tensorflow, Dynet, Theano, Scikit-learn.
- English Skill: TOFEL: 102, GRE: 323.