

Shiyue Zhang

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EDUCATION **Beijing University of Posts and Telecommunications** *Sep' 15 - Present*
Master of Engineering, Information and Communication Engineering
Beijing University of Posts and Telecommunications *Sep' 11- Jul' 15*
Bachelor of Engineering, Communication Engineering

AWARD & SCHOLARSHIP **National Scholarship, 2014 (Rank: 1/595)**
National Scholarship, 2013 (Rank: 6/595)
Excellent Graduate Award, 2015.
First Class Scholarship, 2011, 2015, 2016, 2017.
Excellent Undergraduate Awards, 2012, 2013, 2014.

RESEARCH INTEREST Deep learning for Natural Language Processing

RESEARCH EXPERIENCE **Carnegie Mellon University** *Jul' 17 - Sep' 17*
Summer Intern, Supervisor: Prof. Eric P. Xing, Pengtao Xie

- Machine Learning for Medical Diagnosis
- Leveraged deep generative models, Variational Recurrent Neural Network, in automatic medical diagnosis based on laboratory test data.

Tsinghua University *Sep' 16 - present*
Research Intern, Supervisor: Prof. Dong Wang

- Neural Machine Translation
- Augmented a memory component to the attention-based seq2seq model, which utilized symbolic information to improve the translation performance and was proved to be effective on Zh-En and Zh-Uy translations.
- Proposed an enhanced NMT by learning from translation draft.
- Developed a wechat mini-program for an AI poem writer.

PUBLICATION **Memory-augmented Neural Machine Translation.**
Accepted by EMNLP'17, Long Paper
Yang Feng, **Shiyue Zhang**, Andi Zhang, Dong Wang, Andrew Abel.

Memory-augmented Chinese-Uyghur Neural Machine Translation.
Accepted by APSIPA ASC'17, Best Paper Candidate
Shiyue Zhang, Gulnigar Mahmut, DongWang, Askar Hamdulla.

Enhanced Neural Machine Translation by Learning from Draft.
Accepted by APSIPA ASC'17
Aodong Li, **Shiyue Zhang**, Dong Wang, Thomas Fang Zheng.

Medical Diagnosis From Laboratory Tests by Combining Generative and Discriminative Learning.
Preprint on arXiv
Shiyue Zhang, Pengtao Xie, Dong Wang, Eric P. Xing.

OTHER EXPERIENCE

Beijing University of Posts and Telecommunications

Sep' 15 - Present

Master Student, Supervisor: Prof. Zheng Hu

- Wikipedia Article Quality Assessment
- Combined feature engineering and deep learning to assess the quality of an article on Wikipedia.

Youdian Startup, YOKA.com

Apr' 15 - Aug'15

Software Development Intern, Supervisor: Liang Zhu

- Personalized News Recommendation, Web Crawler
- Developed web crawlers to crawl articles, comments, hot topics from Weibo. Independently designed and developed an LDA-based recommendation component which gained 15% click-through-rate which ranked NO.1 among other components.

Institute of Software Chinese Academy of Sciences

Nov' 14 - Jan'15

Software Development Intern, Supervisor: Prof. Shuzi Niu

- Car Fuel Consumption Data Analysis, Web Crawler
- Developed web crawlers to crawl car-related data. Analyzed the factors that affect car fuel consumption and user satisfaction.

SKILLS

Computer: Python, C++, Bash, L^AT_EX, HTML

Software & Tools: Tensorflow, Dynet, Theano, Git, Linux, MongoDB, Spark

Languages: Chinese (Native); English (TOEFL: 107 (R28, L29, S23, W27), GRE: 324+4.0 (V155, Q169, AW4.0))