

# SHIYUE ZHANG

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zhangshiyue.github.io

## EDUCATION

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<b>Beijing University of Posts and Telecommunications</b> M.E. in Information and Communication Engineering	<i>September 2015 - Present</i> Rank: 23/764
<b>Beijing University of Posts and Telecommunications</b> B.E. in Communication Engineering	<i>September 2011 - July 2015</i> Rank: 14/600, GPA: 3.85/4.0

## RELEVANT COURSES

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### Core Courses

Advanced Mathematics (91)  
Linear Algebra (88)  
Probability Theory and Stochastic Process (97)  
Principle of Communications (97)

### Other Courses

C++ Programing Fundamentals (91)  
Data Structures (97)  
Signals and Systems (98)  
Digital Signal Processing (90)

## AWARDS & SCHOLARSHIP

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**National Scholarship, 2013 (Rank, 6/600)**  
**National Scholarship, 2014 (Rank, 1/600)**  
Excellent Graduate Award, 2015.  
Excellent Undergraduate Awards, 2012, 2013, 2014.

## PUBLICATIONS

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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

Aodong Li, **Shiyue Zhang**, Dong Wang, Thomas Fang Zheng. "Enhanced Neural Machine Translation by Learning from Draft". APSIPA ASC 2017. Accepted.

**Shiyue Zhang**, Zheng Hu, Chunhong Zhang. "History-based Article Quality Assessment on Wikipedia". BigComp 2018. Accepted.

## RESEARCH EXPERIENCE

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<b>Carnegie Mellon University</b> <i>Summer Research Intern</i>	July 2017 - September 2017
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- Sailing Lab; Advisor: Dr. Pengtao, Prof. Eric Xing.
- Medical diagnosis.
- Leverage deep generative models (VAE, VRNN) into diagnosis prediction.
- A paper for Nature Scientific Reports is ongoing.

<b>Tsinghua University</b> <i>Research Assistant</i>	September 2016 - June 2017
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- Center of Speech and Language Technology (CSLT); Advisor: Prof. Dong Wang, Dr. Yang Feng.
- Memory-augmented Neural Machine Translation.
- Add a memory component that memorizes word tables to assist neural model with translation.
- A paper was accepted by EMNLP'17 (long paper).
- A tensorflow-based Neural Machine Translation toolkit: ViVi\_NMT.

## PROJECT EXPERIENCE

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### National Youth Science Foundation Project

September 2015 - Present

*Master Program*

- State Key Laboratory of Networking and Switching Technology; Advisor: Zheng Hu.
- Wikipedia Article Quality Assessment.
- Leverage Wikipedia article edit history to assess the quality.
- A paper was accepted by Bigcomp'18.

### Youdian News App

May 2015 - August 2015

*Intern*

- Youdian News Startup; Advisor: Liang Zhu
- Personalized News Recommendation
- Recommend news to users based on personal interest.
- Independently design and implement a LDA-based news recaller that gained 15% click-through-rate.

### ISCAS-TOYOTA Project

November 2014 - January 2015

*Intern*

- Institute of Software Chinese Academy of Sciences; Advisor: Shuzi Niu.
- Automobile Fuel Consumption Analysis.
- Discover the influential factors for car fuel consumption from big data.
- A report was submitted to TOYOTA(Beijing) company.

## SKILLS

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### Programming Languages

Python, C++, Java, MATLAB, HTML.

### Software & Tools

Tensorflow, Dynet, Theano, LaTeX, Git, Linux, SQL, MongoDB, Spark.

### English

Toefl: 102 (R30, L26, S22, W24), GRE: 324+4.0 (V155, Q169, AW4.0)

## PERSONALITY

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I am enthusiastic about all kinds of volunteer works. I was a volunteer in Bird Nest, Former Residence of Soong Ching Ling, Xinxin Primary School, etc.

I think being a teacher is pretty cool. My dream is to be a teacher in the future. Being a professor in university would be the best.

I love singing, traveling, movies, and books.