

Yizhong Wang

CONTACT INFORMATION

School of EECS, Peking University
Science Building 1, Office 1450
No.5 Yiheyuan Road, Haidian District
Beijing, China, 100871

Phone: (+86) 188-1821-2946
E-mail: yizhong@pku.edu.cn
Website: yizhong-wang.com
Github: github.com/eastonwang

RESEARCH INTERESTS

Natural Language Processing and **Machine Learning**, with current focus on **Discourse Structure**, **Machine Reading Comprehension** and **Question Answering**.

EDUCATION

Peking University, Beijing, China September, 2016 - July, 2019 (expected)
M.S. Candidate, Computer Science, MOE Key Lab of Computational Linguistics

- Research Areas: Discourse Structure, Machine Reading Comprehension
- Advisor: Prof. Sujian Li

Shanghai Jiao Tong University, Shanghai, China September, 2012 - July, 2016
B.Eng., Computer Science and Technology (IEEE Pilot Class)

- Bachelor's thesis: "Mining Cultural Differences between Terms and Relations in Text"
- Advisor: Prof. Kenny Q. Zhu and Prof. Xinbing Wang

WORK EXPERIENCE

Research Intern @ Microsoft Research Asia May, 2018 - Now

I work under the supervision of Dr. Furu Wei. Our T-Net model currently ranks second on SQuAD leaderboard. Another research line focuses on the scalability of machine reading comprehension models. We are creating an ambitious system that only reads the passages once and then answers all potential questions. This work is still in progress.

Research Intern @ Baidu NLP June, 2017 - February, 2018

I was affiliated with the Deep Question Answering Team and worked on machine reading comprehension. We released the largest Chinese reading comprehension dataset (DuReader). I also proposed a new model (V-Net) for multi-passage machine reading comprehension, which won the first place on the MS-MARCO leaderboard and was published at ACL 2018.

Software Engineer Intern @ TouchPal Technology November, 2015 - March, 2016

I worked for the Input Method Engine Team and was responsible for building new language models for Hindi and Portuguese, which are used for the input prediction in TouchPal Keyboard. We crawled large amount of data from various web sources and developed algorithms to improve the language models based on user data. These models were successfully used in the products.

TEACHING EXPERIENCE

Discrete Math, Peking University Fall, 2016 / Fall, 2017

Teaching Assistant, Instructor: Prof. Sujian Li

Introduction to Artificial Intelligence, Peking University Summer, 2018

Teaching Assistant, Instructor: Prof. Vincent Ng

HONORS AND AWARDS

Outstanding Paper Award of ACL 2017

Founder Scholarship, 2017

Chun-Tsung Scholarship (established by Nobel Prize laureate T. D. Lee), 2016

Excellent Graduate of Shanghai Jiao Tong Univ., 2016

Meritorious Winner of the Mathematical Contest in Modeling, 2015

Academic Excellence Scholarship of Shanghai Jiao Tong Univ., 2013 / 2014 / 2015

PUBLICATIONS

Toward Fast and Accurate Neural Discourse Segmentation
Yizhong Wang, Sujian Li
Under the review of EMNLP 2018

Multi-Passage Machine Reading Comprehension with Cross-Passage Answer Verification
Yizhong Wang, Kai Liu, Jing Liu, Wei He, Yajuan Lyu, Hua Wu, Sujian Li, Haifeng Wang
ACL 2018, Long, Oral

Bag-of-Words as Target for Neural Machine Translation
Shuming Ma, Xu Sun, **Yizhong Wang**, Junyang Lin
ACL 2018, Short, Poster

DuReader: a Chinese Machine Reading Comprehension Dataset from Real-world Applications
Wei He, Kai Liu, Jing Liu, Yajuan Lyu, Shiqi Zhao, Xinyan Xiao, Yuan Liu, **Yizhong Wang**, Hua
Wu, Qiaoqiao She, Xuan Liu, Tian Wu, Haifeng Wang
ACL 2018 Workshop on Machine Reading for Question Answering

A Two-stage Parsing Method for Text-level Discourse Analysis
Yizhong Wang, Sujian Li and Houfeng Wang
ACL 2017, Short, Oral (**Outstanding Paper Award**)

Tag-Enhanced Tree-Structured Neural Networks for Implicit Discourse Relation Classification
Yizhong Wang, Sujian Li, Jingfeng Yang, Xu Sun and Houfeng Wang
IJCNLP 2017, Long, Oral

Towards Non-projective High-Order Dependency Parser
Wenjing Fang, Kenny Q. Zhu, **Yizhong Wang**, Jia Tan.
COLING 2016, System Demonstration

PROFESSIONAL
SKILLS

Programming Languages: Python, C++, Java, PHP, JavaScript, Shell

Machine Learning Toolkits: TensorFlow, PyTorch, Scipy, scikit-learn, XGBoost

Distributed Systems and Databases: Hadoop, Spark, Hive, MySQL

Operating Systems: Linux (Preferred), MacOS, Windows

Other frequently-used tools: Git, Latex, Vim, Markdown