Yizhong Wang

PhD student, University of Washington

yizhongw@cs.washington.edu ⬦ yizhong-wang.com

EDUCATION

University of Washington, Seattle, USA . . . . *Sep 2019 - Present*
Ph.D. student in Computer Science
Advisors: Hannaneh Hajishirzi, Noah Smith

Peking University, Beijing, China . . . . *Sep 2016 - July 2019*
M.S. in Computer Science
Advisor: Sujian Li

Shanghai Jiao Tong University, Shanghai, China . . . . *Sep 2012 - July 2016*
B.S. in Computer Science and Technology
Advisor: Kenny Q. Zhu

RESEARCH INTERESTS

- **Generalist models and extreme multi-tasking**: [15]

- **Question answering and knowledge-grounded NLP**: [13, 11, 8, 6, 4]

- **Analyzing NLP models and datasets**: [14, 10, 9]

WORK EXPERIENCE

Facebook AI Research . . . . *Sep 2021 - Dec 2021*
Research Intern, Mentor: Sebastian Riedel

Allen Institute for Artificial Intelligence . . . . *Dec 2020 - May 2021*
Part-time Research Intern, Collaborators: Tushar Khot, Ashish Sabharwal

Allen Institute for Artificial Intelligence . . . . *Oct 2018 - Feb 2019*
Research Intern, Mentors: Matt Gardner, Sameer Singh

Microsoft Research Asia . . . . *May 2018 - Sep 2018*
Research Intern, Mentor: Furu Wei

Baidu NLP . . . . *June 2017 - Feb 2018*
Research Intern, Mentors: Kai Liu, Yajuan Lyu

SELECTED AWARDS & SCHOLARSHIPS

Best Paper Award of CCL 2020

Outstanding Paper Award of ACL 2017

Founder Scholarship, 2017

Outstanding Graduate of Shanghai Jiao Tong Univ., 2016

Chun-Tsung Scholar (established by Nobel Prize laureate Tsung-Dao Lee), 2016

ACADEMIC SERVICES

Reviewer: ACL 2019-22, EMNLP 2019-22, NAACL 2020-22, ARR 2021-22, NeurIPS 2021-22, AAAI 2020-21, AKBC 2020-22, COLING 2022

Organizer: ACL 2020 Student Research Workshop

Departmental service: UW CSE PhD admission committee member 2021-22.

Teaching Assistant:

- NLP Capstone, University of Washington, Spring 2022
- Introduction to Artificial Intelligence, Peking University, Summer 2018
- Discrete Math, Peking University, Fall 2016 / Fall 2017

PUBLICATIONS (Google Scholar, * indicates equal contribution.)

[15] Super-NaturalInstructions: Generalization via Declarative Instructions on 1600+ Tasks
Yizhong Wang*, Swaroop Mishra*, Pegah Alipoormolabashi, Yeganeh Kordi, ..., Chitta Baral, Yejin Choi, Hannaneh Hajishirzi, Noah A. Smith, Daniel Khashabi
EMNLP, 2022

[14] Probing Across Time: What Does RoBERTa Know and When?
Leo Z. Liu*, **Yizhong Wang***, Jungo Kasai, Hannaneh Hajishirzi, Noah A. Smith
EMNLP Findings, 2021

[13] MultiModalQA: Complex Question Answering over Text, Tables and Images
Alon Talmor, Ori Yoran, Amnon Catav, Dan Lahav, **Yizhong Wang**, Akari Asai, Gabriel Ilharco, Hannaneh Hajishirzi, Jonathan Berant
ICLR, 2021

[12] Automated Lay Language Summarization of Biomedical Scientific Reviews
Yue Guo, Wei Qiu, **Yizhong Wang**, Trevor Cohen
AAAI, 2021

[11] LiveQA: A Question Answering Dataset over Sports Live
Qianying Liu, Sicong Jiang, **Yizhong Wang**, Sujian Li
CCL, 2020 **(Best Paper Award)**

[10] Dataset Cartography: Mapping and Diagnosing Datasets with Training Dynamics
Swabha Swayamdipta, Roy Schwartz, Nicholas Lourie, **Yizhong Wang**, Hannaneh Hajishirzi, Noah A. Smith and Yejin Choi
EMNLP, 2020

[9] Do Neural NLP Models Know Numbers? Probing Numeracy in Embeddings
Eric Wallace*, **Yizhong Wang***, Sujian Li, Sameer Singh and Matt Gardner
EMNLP-IJCNLP, 2019

[8] DROP: A Reading Comprehension Benchmark Requiring Discrete Reasoning Over Paragraphs
Dheeru Dua, **Yizhong Wang**, Pradeep Dasigi, Gabriel Stanovsky, Sameer Singh, Matt Gardner
NAACL, 2019

[7] Toward Fast and Accurate Neural Discourse Segmentation
Yizhong Wang, Sujian Li
EMNLP, 2018

[6] 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

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

[4] 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 Workshop on Machine Reading for Question Answering, 2018

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

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

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