

YUE DONG

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🎓 Google Scholar 🔗 <https://yuedongcs.github.io/>

WORK

University of California, Riverside

Assistant Professor of Computer Science and Engineering

Jan. 2023 - present

EDUCATION

McGill University/Mila, Canada

Ph.D. in Computer Science

Advisor: Jackie Cheung

Jan. 2017 - Nov. 2022

CGPA:10/10

University of Ottawa, Canada

Master of Science in Mathematics

Advisors: Vladimir Pestov, Nathalie Japkowicz

Jan. 2015 - Dec. 2016

CGPA:9.5/10

University of Ottawa, Canada

Honours Bachelor of Science, Major in Mathematics and Minor in Computer Science

Jan. 2011 - Dec. 2014

CGPA:9.6/10

Xi'an Jiaotong University, China

Clinical Medicine

Sep. 2009 - Sep. 2010

RESEARCH INTERESTS

- 1) **Natural language understanding:** fact checking/correction, discourse analysis, hierarchical classification
- 2) **Natural language generation:** text summarization, text simplification, narrative story generation
- 3) **Representation and reasoning:** commonsense reasoning, neural symbolic reasoning
- 4) **Deep learning and reinforcement learning:** multi-tasking learning, self-supervised learning, few-shot learning, anomaly detection, multi-armed bandit

RESEARCH EXPERIENCE

Google AI

Research Intern, Hosts: Pat Verga, William W. Cohen

Topic: Knowledge-based approach for text summarization (Findings of EMNLP 2022)

Pittsburgh, USA

May 2021 - Dec. 2021

Allen Institute for AI (AI2)

Research Intern, Hosts: Chandra Bhagavatula, Yejin Choi

Topic: Attention modulation for neural generation (Findings of ACL 2021)

Seattle, USA

Jun. 2020 - Dec. 2020

Microsoft

Research Intern, Hosts: Shuohang Wang, Zhe Gan, Yu Cheng, Jingjing Liu

Topic: Facts-aware abstractive summarization (EMNLP 2020)

Redmond, USA

Mar. 2020 - Jun. 2020

Huawei Noah's Ark Lab

Research Intern, Mentor: Mehdi Rezagholizadeh

Topic: Edit-based model for text simplification (ACL 2019)

Montreal, Canada

Oct. 2018 - Mar. 2019

TEACHING EXPERIENCE

Guest Lecturer, Montreal: AI4Good National Training Program

Summer 2019

Teaching assistant, McGill University: COMP251 - Data Structures and Algorithms

Winter 2018

Teaching assistant, McGill University: COMP424 - Artificial Intelligence

Fall 2017

Teaching assistant, McGill University: COMP202 - Foundations of Programming

Fall 2017

Weekly tutorial instructor, UOttawa: MAT1348 - Discrete Mathematics for Computing	<i>Winter 2016</i>
Weekly tutorial instructor, UOttawa: MAT1341 - Introduction to Linear Algebra	<i>Winter 2016</i>
Weekly tutorial instructor & Teaching assistant, UOttawa: MAT1341 - Introduction to Linear Algebra	<i>Fall 2015</i>
Teaching assistant, UOttawa: MAT1348 - Discrete Mathematics for Computing	<i>Winter 2014</i>

SERVICE

Co-organizer:	<ul style="list-style-type: none"> - NeurIPS 2022 workshop Efficient Natural Language and Speech Processing - EMNLP 2021 workshop New Frontiers in Summarization - NeurIPS 2021 workshop Efficient Natural Language and Speech Processing - NAACL 2022 tutorial Text Generation with Text-Editing Models
Action Editor (area chair):	<ul style="list-style-type: none"> - 2022 EMNLP - 2021 ACL Rolling Review
Reviewer:	<ul style="list-style-type: none"> - 2022: ACL, COLING - 2021: ACL - 2020: COLING, EMNLP, IJCAI, ACL - 2019: EMNLP, ACL, IJCAI

PEER-REVIEWED PUBLICATIONS

[16] Faithful to the Document or to the World? Mitigating Hallucinations via Entity-Linked Knowledge in Abstractive Summarization.

Yue Dong , John Wieting and Pat Verga

Findings of EMNLP 2022

[15] Learning with Rejection for Abstractive Text Summarization.

Meng Cao, Yue Dong , Jingyi He and Jackie Chi Kit Cheung

EMNLP 2022

[14] Hallucinated but Factual! Inspecting the Factuality of Hallucinations in Abstractive Summarization.

Meng Cao, Yue Dong and Jackie C. K. Cheung

ACL 2022

[13] On-the-Fly Attention Modulation for Neural Generation

Yue Dong, Chandra Bhagavatula, Ximing Lu, Jena D. Hwang, Antoine Bosselut, Jackie C.K. Cheung, Yejin Choi

Findings of ACL 2021

[12] Bringing Structure into Summaries: a Faceted Summarization Dataset for Long Scientific Documents

Rui Meng, khushboo Thaker, Lei Zhang, Yue Dong, Xingdi Yuan, Tong Wang and Daqing He

ACL 2021

[11] Discourse-Aware Unsupervised Summarization for Long Scientific Documents

Yue Dong*, Andrei Romascanu* and Jackie C. K. Cheung.

EACL 2021

[10] Multi-Fact Correction in Abstractive Text Summarization

Yue Dong, Shuohang Wang, Zhe Gan, Yu Cheng, Jackie C. K. Cheung and Jingjing Liu

EMNLP 2020

[9] Multi-XScience: A Large-scale Dataset for Extreme Multi-document Summarization of Scientific Articles

Yao Lu, Yue Dong and Laurent Charlin.

EMNLP 2020

[8] Factual Error Correction for Abstractive Summarization Models

Meng Cao, Yue Dong, Jiapeng Wu and Jackie C. K. Cheung.

EMNLP 2020

[7] Countering the Effects of Lead Bias in News Summarization via Multi-Stage Training and Auxiliary Losses
Yue Dong*, Matt Grenander*, Jackie C. K. Cheung and Annie Louis.

EMNLP-IJCNLP 2019

[6] EditNTS: An Neural Programmer-Interpreter Model for Sentence Simplification through Explicit Editing
Yue Dong, Zichao Li, Mehdi Rezagholizadeh and Jackie C. K. Cheung.

ACL 2019 (Oral)

[5] Learning Multi-task Communication with Message Passing for Sequence Learning
Pengfei Liu, Yue Dong*, Jie Fu*, Xipeng Qiu and Jackie C. K. Cheung.

AAAI 2019

[4] BanditSum: Extractive Summarization as a Contextual Bandit
Yue Dong*, Yikang Shen*, Eric Crawford, Herke van Hoof and Jackie C. K. Cheung.

EMNLP 2018 (Oral)

[3] A Hierarchical Neural Attention-based Text Classifier
Koustuv Sinha, Yue Dong, Jackie C. K. Cheung and Derek Ruths.

EMNLP 2018

[2] Threaded ensembles of autoencoders for stream learning
Yue Dong and Nathalie Japkowicz.

Computational Intelligence 2018

[1] Threaded ensembles of supervised and unsupervised neural networks for stream learning
Yue Dong and Nathalie Japkowicz.

Canadian Conference on Artificial Intelligence 2016 (Best Paper Award)

ACADEMIC AWARD

- Alexander Graham Bell Canada Graduate Scholarship - Doctoral (CGS D) - Accepted	2018-2019
- NSERC Postgraduate Scholarship - Doctoral (PGS D) - Accepted	2017-2018
- FRQNT Doctoral Scholarship - Declined (rank first in all 2016 applicants in mathematics)	2016
- FRQNT Master's Research Scholarship	2016
- NSERC Canada Graduate Scholarships - CGS Master's	2015
- University of Ottawa Excellence Scholarship	2015 - 2016
- NSERC Undergraduate Student Research Awards (USRA)	Summer 2014
- Dean's Merit Scholarships - Faculty of Science, University of Ottawa	2014
- University of Ottawa Women's Summer Research Award	Summer 2013
- University of Ottawa Merit Scholarship	2013
- University of Ottawa Wong-Ng Scholarship	2013
- University of Ottawa Work/Study Research Award	Summer 2012
- University of Ottawa Yvon Grandchamp Scholarship	2012
- First prize in mathematics competition at Shaanxi province, China	2008

MENTORING

Meng Cao (PhD student, McGill University)
Yao Lu (PhD student, University College London)
Matt Grenander (PhD student, University of Edinburgh)
Andrei Romascanu (master's student, McGill University)
Paul Wu (master's student, McGill University, currently at Private AI)
Kun Ni (master's student, University of Montreal)

REFERENCES

Jackie Cheung
Associate Professor

School of Computer Science, McGill University

E-mail: jcheung@cs.mcgill.ca

Yejin Choi

Brett Helsel Professor (also senior research manager at AI2)

Paul G. Allen School of Computer Science & Engineering, University of Washington

E-mail: yejin@cs.washington.edu

William W. Cohen

Director, Principal Scientist, and Research Engineering (former Professor at CMU)

Google AI, Pittsburgh, USA

E-mail: wcohen@google.com

Nathalie Japkowicz

Professor and Department Chair, Computer Science

American University, Washington, D.C.

E-mail: nathalie.japkowicz@american.edu